



"FREMERMAN, GARY"
<GARY.FREMERMAN@OGC.USDA.GOV>
C.USDA.GOV>

02/09/07 10:30 AM

To Alex Chen/CNSL/R7/USEPA/US@EPA

cc "FREMERMAN, GARY"

<GARY.FREMERMAN@OGC.USDA.GOV>, Mary
Angeles/DC/USEPA/US@EPA, Carl

bcc

Subject GIPSA Facility in Kansas City

Alex – attached are GIPSA's responses to Region 7's follow-up questions.

GIPSA would like to reiterate that its Kansas City laboratory is unquestionably a RCRA small quantity generator, and was a small quantity generator during the time period covered by the complaint. They are willing to provide whatever additional information may be required, and are available to demonstrate how their pesticide databases work.

GIPSA also has confirmed that any penalty would have to be paid out of the Technical Services Division's limited operating budget for 2007. There is no other source of funds at USDA that can be used for any financial penalty. GIPSA respectfully requests the opportunity to explore with Region 7 the possibility of resolving this matter without a financial penalty.

Gary Fremerman
USDA OGC Pollution Control Team
202-720-8041

From: Ronald.C.Bicsak@gipsa.usda.gov [mailto:Ronald.C.Bicsak@gipsa.usda.gov]

Sent: Friday, February 09, 2007 11:10 AM

To: FREMERMAN, GARY

Cc: Steven.N.Tanner@gipsa.usda.gov; Donald.C.Kendall@gipsa.usda.gov;
Thomas.A.Weber@gipsa.usda.gov

Subject: Response to EPA Questions Dated 1-4-07

Including attachments.

Ronald C. Bicsak

USDA-GIPSA-QSS
10383 N. Ambassador Drive
Kansas City, Missouri 64153
816-891-0431
816-891-8070 FAX
Ronald.C.Bicsak@USDA.GOV



Database Contents.doc



Cyclohexane MSDS.doc



Ethyl acetate MSDS.doc



Methanol MSDS.doc



IL 1011 FEE.tif



ONYX manifest.tif



Responses to EPA letter 1-4-07.doc

FOR SETTLEMENT PURPOSES ONLY

Gary –

I want to thank you and the GIPSA staff for your hard work in putting together the January 4, 2007 submittal (and its attachments). In reviewing these materials, EPA's enforcement team had some additional questions. We believe the answers to these questions will give us a better factual understanding of the operations at the FGIS lab.

1. You state on page 4 of your letter that “[f]ollowing receipt of the Region 7 complaint, GIPSA consulted with USDA environmental experts, re-reviewed its laboratory waste-generation processes, and thoroughly analyzed all relevant information contained in the comprehensive pesticide databases that the laboratory maintains. Based on that review, laboratory personnel determined the specific amounts of ‘acute’ hazardous waste that the laboratory generated each calendar month from January 2001 until November 2006. In addition, using the facility’s waste manifests, laboratory personnel were also able to determine the total amount of ‘acute’ hazardous waste that was accumulated onsite during this period.”

a) Can you explain in more detail the methodology/process used in creating (calculating) the information in the spreadsheets attached to your letter? In addition, please provide any and all documentation (for example, the “facility’s waste manifests” that you referred to, receipts, the “comprehensive pesticide databases” etc.) that verify the information on these spreadsheets.

The Pesticide Data Program that GIPSA conducts at the Kansas City laboratory is ISO 9001 registered, which requires maintenance of records of the history of pure (neat) standards from purchasing through usage and disposal. We maintain electronic databases to keep all this data. The spreadsheets were developed from these databases and logbooks. Queries were made using the databases and the list of specific “P-listed” chemicals (40 CFR 261.33(e), 7/1/2006) to obtain the numbers used in the actual determination.

The databases and log books are too large and cumbersome to forward to you, however if you would be agreeable to visit our location we would show them to you and demonstrate the calculations. Copies of the waste manifests are attached.

b) When was this spreadsheet originally created? Was it specifically prepared as a result of the enforcement action that EPA initiated?

The initial database was created in February 1999, but the spreadsheet was created in December of 2006 in response to the enforcement action.

c) If the spreadsheet was created prior to EPA’s inspection in November 2005, why was it not brought to the inspector’s attention at that time, when she asked for verification of the acute hazardous waste generation rate? Or, alternatively, during any communications or discussion after the inspection?

February 8, 2007

The spreadsheet was not developed until after the inspection, and therefore was not available to be shared with the inspector. Activities after the inspection focused on addressing the deficiencies identified by the inspector. The distinction between hazardous waste and acute hazardous waste was not clearly defined during the inspection or during the correspondences resulting from the findings, and therefore our focus was to correct the deficiencies identified during the inspection that could affect future operations.

d) Did the USDA lab have these “comprehensive pesticide databases” in place at the time of the inspection? Please briefly describe how this database works, and what kinds of information (data fields) are put into the database.

The initial database was created in February of 1999, for the Pesticide Data Program and an additional database was created to track pesticides used in another pesticide analysis program. These databases track the history of pure (neat) standards from purchasing and receipt through usage and disposal. The log books and databases are maintained by the physical scientists who work with these standards on a regular basis. Attached is the contents page for both databases and a listing of the primary fields found in the databases. We would be pleased to demonstrate the databases for you in person.

2. On page 5 of the letter, you state that on 12 occasions between May 2004 and May 2005, “laboratory personnel appear to have inadvertently commingled small quantities of a discarded chemical listed at 40 CFR 261.33(e) with larger quantities of waste solutions consisting of multiple pesticides listed at 40 CFR 261.33(e) and solvent.” Specifically, you state that a 100-mL solutions of a single pesticide chemical (which was listed in 261.33(e)) were “used to fill a separate 20-mL vial with approximately 18 mL of solution; the 18-mL portion was further utilized in subsequent analyses. The remaining 82 mL of solution was subsequently poured in liquid form into a waste drum used for storing other discarded multi-pesticide solutions.”

a) How did USDA discover that the “commingling” occurred on these occasions? Is it USDA’s contention that this “commingling” only occurred on these 12 occasions between May 2004 and May 2005? Did any commingling occur prior to May 2004?

GIPSA discovered the twelve instances of “commingling” when reviewing the databases and logbooks for the disposal of P-listed chemicals. Our records indicate that “commingling” only occurred on twelve occasions, and involved a total of only three different waste drums. The laboratory did not produce the 100-ml solutions until May 2004, therefore commingling did not occur prior to that time.

b) Please clarify the statement that “the remaining 82 mL of solution was poured in liquid form into a waste drum used for storing other discarded multi-pesticide solutions.” Was this (82 mL of) solution in a vial/container when it was “poured”? Was the “waste drum” in question the same one that was eventually sent off-site, using the manifests dated June 18, 2002; November 15, 2004; and April 20, 2006? If not, when and how was this “waste drum” disposed?

The stock solutions were made in 100 mL volumetric flasks and 18 mL was used in preparing working solutions. The remaining 82 mL of solution was poured into a 4 liter waste bottle and when full the waste bottle was poured into the waste drums. The waste drums were disposed of on November 15, 2004, April 20, 2006, and July 5, 2006, as indicated on the manifests. All of these drums were disposed of off site.

c) You also state that when these incidents occurred during May 2004, June 2004, August 2004 and May 2005, the “total quantity of accumulated liquid waste that was involved in this commingling was unknown, but was likely in excess of one kg.” However, I noticed that in the spreadsheet for those particular months, the generation rates of P-listed waste are below 1 kg. How do you explain this?

The actual amount of P-Listed waste was less than one kilogram, even though the total amount of all wastes in the drum (including other types of waste) may have been more than one kilogram.

3. The spreadsheet titled “Monthly Generation of P-Listed Waste from January 2001 – November 2006” contains a detailed list of all P-listed wastes disposed of by USDA during that time frame. USDA claims that this spreadsheet supports its assertion that it never generated more than 1 kg of acute hazardous waste in any calendar month, nor did it ever accumulate greater than 1 kg of acute hazardous waste at any time.

a) Are the wastes listed on this spreadsheet the same ones that were disposed of, as reported on the manifests dated June 18, 2002; November 15, 2004; and April 20, 2006?

Yes, although in most instances the waste not commingled. On June 18, 2002, a waste drum marked “Waste Toxic Liquid” was transported off site to be disposed of. While there were both non-P-listed waste and P-listed waste in the drum, all of the waste solutions were contained in individual sealed glass vials and also placed in heavy plastic bags, which contained them to prevent commingling. There was no indication of any broken vials or leaks from plastic bags, therefore no commingling of the wastes.

On November 15, 2004, six containers of waste were removed off site. These were: one drum containing “batteries wet filled with acid”; one lab-pack bucket containing “waste toxic solid”; one lab-pack bucket containing a can of “waste di-isopropyl ether”; one drum containing “waste ethanol”; one drum containing “waste flammable liquid”; and one drum containing “waste toxic liquid”.

Small quantities of pesticide chemicals were commingled in only one drum (the drum labeled “waste flammable liquid”), which also contained other types of waste. With respect to the drum labeled “waste toxic liquid” there were both non-P-listed waste and P-listed waste in the drum. However, all waste solutions were contained in individual sealed glass vials and also placed in heavy plastic bags, which contained them to prevent commingling. There was no

indication of any broken vials or leaks from plastic bags, therefore no commingling of the wastes. Other than these two drums, none of the other containers held any pesticide material.

On April 20, 2006, seven containers of waste were removed off site. These were: one lab-pack bucket containing "universal waste (thermometers)"; one lab-pack bucket containing "waste hydrochloric acid"; one lab-pack bucket containing "waste toxic solid"; one drum containing "waste ethanol"; three drums containing "waste flammable liquid"; and one drum containing "waste toxic liquid".

Small quantities of pesticide chemicals were commingled in only one drum (in one of the drums labeled "waste flammable liquid"), which also contained other types of waste. With respect to the drum labeled "waste toxic liquid" there were both non-P-listed waste and P-listed waste in the drum. However, all waste solutions were contained in individual sealed glass vials and also placed in heavy plastic bags, which contained them to prevent commingling. There was no indication of any broken vials or leaks from plastic bags, therefore no commingling of the wastes. Other than these two drums, none of the other containers held any pesticide material.

b) In reviewing the list of neat substances and solutions, I noticed that there are a significant number of substances/solutions listed, for which the chemical constituents are not readily apparent. For example, at the top of the 2001 spreadsheet, it is fairly clear that aldicarb sulfone, methiocarb and heptachlor (neat substances #1 through #4) are P203, P199 and P059, respectively. However, for chemicals such as "PDP ISTD" (solution #1) or "rice mult-res 50 loq" (solution #2), the solution name/description given is unclear as to which, if any, hazardous waste codes might apply. Please provide the chemical constituents for these solutions and their corresponding RCRA hazardous waste codes (if any).

All of these solutions were multi-pesticide solutions containing at least two or more different pesticides (and in many instances, as many as 70 to 80 different pesticides). By definition, these solutions would not be deemed to be P-listed waste but would carry the D001 listing code of the solvent. The laboratory can provide the lengthy lists of constituents if needed.

c) The spreadsheet (in the footnotes) defines a "neat substance" as a substance that is "free from impurities, admixture, or dilution." Are these "neat substances" therefore disposed of in a solid (as opposed to liquid) form? Does the reported weight of p-waste disposed include the weight of any vials or containers that store this waste? If not, what is the approximate weight of such an empty vial?

The "neat substances" are in crystalline or liquid form at room temperature. The reported weight of these neat standards is the actual weight of the chemical compound itself, and does not include the weight of the vial or container. EPA regulatory guidance makes it clear that the weight of the container is not counted when making determinations of generator status. 45 FR 78524, 78527 (November 25, 1980). The weight of an empty vial depends on the manufacturer, and can weigh from 6 to 25 grams.

February 8, 2007

d) In the footnotes, USDA states that for the p-listed wastes, "a solution is 10 mL or 0.008 kg unless noted otherwise." In addition, a 18 mL and a 82 mL solution weighs 0.0144 kg and 0.0656 kg, respectively. How did USDA determine these conversion factors? Do these weights include the weight of the vial (or other container) that stores this waste? If not, what is the approximate weight of such an empty vial?

The specific gravity of the solvents used, methanol and cyclohexane:ethyl acetate (1:1, v:v), is 0.8 and the specific gravity was used to calculate the weight of the waste solution. Therefore the weight of the 18 mL solution is $18 \text{ mL} \times 0.8 \text{ g/mL} = 14.4 \text{ g}$ or 0.0144 kg. The weight of the vials was not included in calculating the total weight of the hazardous waste, in accordance with EPA regulatory guidance. The weight of the 20mL vials used to contain 10 mL or 18 mL solutions is 19 grams (0.019 kg). The volumetric flasks in which the 100 mL solutions are made are not discarded as waste.

e) Are all solutions (P-listed wastes and non-P-listed wastes) made using methanol? Can you provide EPA with a copy of the MSDS (Material Safety Data Sheet) for the methanol that is used?

No. Solutions were made using either methanol or cyclohexane:ethyl acetate (1:1, v:v). MSDS's are attached.

f) Are the non-P-listed wastes hazardous or non-hazardous? Please provide the RCRA hazardous waste codes, if applicable.

The non-P-listed waste solutions are classified as hazardous and the codes are D001 and F003.

4. For the non-P-listed waste solutions on these spreadsheets, are they also 10 mL or 0.008 kg) each? If not, what are their volumes/weights? Are they disposed of in the same drum as the P-listed wastes that were shipped off-site on June 18, 2002; November 15, 2004; and April 20, 2006?

The vast majority of the non-P-listed waste solutions were 0.008 kg each (10mL). Yes, they were disposed of in the same shipment of drums. See response to 3a.

a) If so, would it be accurate to say that in 2001, USDA generated approximately 0.77 kg of pesticides (i.e., 97 "solutions" x 0.008 kg/solution)?

No, this is not accurate. A more accurate statement would be that GIPSA generated 0.77 kg of pesticide waste solutions, of which only a small number were P-Listed. The actual amount of a "pesticide compound" dissolved in a solvent is at the nano-gram level. Concentrations are 1 mg/mL or less.

b) Would it be accurate to say that between June 18, 2002 and November 15, 2004, USDA generated approximately 2.84 kg of pesticides (since approximately 355 "solutions" (at

February 8, 2007

0.008 kg each) were disposed of during that time period)? If so, how does USDA account for the remainder of the 250 pounds that was shipped off on November 15, 2004?

This is not accurate. It's more accurate to say the waste contained nano-grams of pesticide dissolved in micro-liters of solvent. The drum that contained these pesticides also contained organic solvents, water, and miscellaneous liquid wastes generated in the laboratory. The preponderance of the drum is flammable liquid with a hazardous waste code of D001.

5. I compared the list of P-listed wastes listed on the spreadsheet against the P-listed wastes that were reported on the manifests dated June 18, 2002; November 15, 2004; and April 20, 2006. If I understand USDA's processes correctly, all P-listed waste codes on the spreadsheet that were disposed prior to June 18, 2002 should appear on the June 18, 2002 manifest. Similarly, all P-listed waste codes on the spreadsheet that were disposed between June 18, 2002 and November 15, 2004 should appear on the November 15, 2004 manifest; and all P-listed wastes on the spreadsheet that were disposed between November 15, 2004 and April 20, 2006 should be listed on the April 20, 2006 manifest. However, I noticed the following discrepancies. Can USDA explain the following?

P-listed wastes disposed 1/1/01-6/18/02
(from spreadsheet)

P004 (5/20/02)
?
P037 (11/6/01)
P039 (5/20/02)
P044 (1/8/02)
P050 (1/8/02 – twice)
P051 (1/8/02)
P059 (6/22/01, 11/6/01)
?
P066 (5/20/02)
P070 (3/28/01, 5/20/02)
P071 (11/6/01)
P089 (11/6/01)
P094 (11/6/01)
?
P127 (3/15/01, 11/6/01)
P194 (1/8/02)
P199 (3/15/01)
?
P203 (3/15/01, 3/27/01, 3/30/01, 10/5/01)

P-listed wastes on 6/18/02 manifest

P004
P020
?
?
P044
P050
P051
P059
P060
P066
P070
?
P089
P094
P123
P127
?
P199
P201
P203

P-listed wastes disposed 6/18/02-11/15/04
(from spreadsheet)

P-listed wastes on 11/15/04 manifest

February 8, 2007

?	P004
P037 (4/2/04, 11/10/04)	?
P039 (5/20/03, 11/8/04, 11/10/04 – twice)	?
P044 (5/20/03, 11/10/04)	?
P050 (4/2/04 – three times, 5/6/04)	P050
P051 (11/10/04)	P051
P066 (4/2/04 – three times, 5/26/04, 8/17/04, 11/10/04)	?
P070 (4/2/04 – three times, 6/1/04, 8/18/04)	?
P071 (11/10/04)	P071
P089 (5/19/03 – three times, 4/2/04, 11/10/04)	P089
P094 (4/2/04)	?
P127 (4/2/04 – three times, 6/1/04, 8/18/04, 11/10/04)	?
P194 (4/2/04 – twice, 5/28/04, 8/17/04, 11/10/04)	?
P203 (9/19/02, 3/27/03, 8/1/03, 4/2/04 – three times, 6/1/04, 8/17/04 - twice)	?

P-listed wastes disposed 11/15/04-4/20/06
(from spreadsheet)

P004 (3/17/05 – three times, 9/29/05, 11/2/05)
P037 (11/2/05)
P039 (3/17/05, 11/2/05)
P044 (11/2/05)
P050 (11/2/05)
P051 (3/17/05, 11/2/05)
P071 (9/29/05, 11/2/05)
P089 (9/29/05, 11/2/05)
P094 (3/17/05, 9/29/05, 11/2/05)
P127 (11/2/05)
P203 (3/17/05 – twice, 5/2/05)

P-listed wastes on 4/20/06 manifest

P004
?
?
?
P050
P051
P071
P089
?
?
?

The spreadsheet accurately reflects P-listed chemicals disposed of on the dates listed. GIPSA provided the hauler a list of pesticides that could have been P-coded wastes generated by the laboratory during this period. These discrepancies between the spreadsheets and the manifests appear to be an oversight.

6. If USDA's assertion that it never generated more than 1 kg of acute hazardous waste in any calendar month and never accumulated more than 1 kg of acute hazardous waste at any time, why did USDA report itself to the Missouri Department of Natural Resources as being a Large Quantity Generator (on March 11, 2003)?

A mistake was made in the way the form was completed. It should be noted, though, that the relevant section of the Missouri DNR notification form (Section VII) did not provide a box for "acute hazardous waste". Also, the form in question was somewhat confusing in that it did not actually refer to Large Quantity Generators and Small Quantity Generators. In contrast,

February 8, 2007

the current DNR notification form does specifically abbreviate these terms next to the boxes to be checked in Section VII.

A corrected form will be submitted shortly to DNR indicating GIPSA's correct status as a Small Quantity Generator.



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 6-89)

Form Approved. OMB No. 2050-0089

RonB

UNIFORM HAZARDOUS
WASTE MANIFEST1. Generator's US EPA ID No. MOD 985796762 26354
Manifest Document No.2. Page 1
of 1

Information in the shaded areas is not required by Federal law, but is required by Illinois law.

3. Generator's Name and Mailing Address
USDA Federal Grain Inspection
10383 North Ambassador Dr
Kansas City Mo 64153

Location If Different

A. Illinois Manifest Document Number
IL10853978 FEE PAID IF APPLICABLE

B. Generator's IL ID Number 989019999

C. Transporter's IL ID Number 1157851100

D. Transporter's Phone 816 9245888

E. Transporter's ID Number

F. Transporter's Phone

G. Facility's IL ID Number 1631210009

H. Facility's Phone 618 271 2804

4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS* 816 891 0431

5. Transporter 1 Company Name

6. US EPA ID Number

Waste Express

MOD 981123391

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
DUXX Environmental Services
#7 mobile Ave

10. US EPA ID Number

Snaget IL 62201

ILD 098642424

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

a. Waste toxic Liquid organic N.O.S., LIQ, UN2810, II

No. Type

Quantity

Unit

Waste No.

Ethiabendazol, TRIDMENOI

ERG 153

1 Drum

250 P

None

b.

EPA HW Number

c.

EPA HW Number

d.

EPA HW Number

Additional Description for Materials Listed Above

Dioxin Pouch Pouch 1006110000 10000 DOLZ WIP 314847

K. Handling Codes for Wastes Listed Above
In Item #14

15. Special Handling Instructions and Additional Information

IF unable to deliver Return to Generator In case of Emergency contact 866 599 9706

Sequence # 0015

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed /Typed Name

Signature

Date

RONALD BICSAK

Ron B

092006

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed /Typed Name

Signature

Date

BILL LURVEY

Bill Lurvey

43006

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed /Typed Name

Signature

Date

19. Discrepancy Indication Space

drum not received. manifest voided per mark struble 5/1/06 ce

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed /Typed Name

Signature

Date

Jim Hrua

Jim Hrua

5/24/05

This Agency is authorized to enforce, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

In case of a spill call the Illinois Office of Emergency Response at 217 / 782-7860 and the National Response Center at 800 / 424-8802 or 202 / 426-2675.



**Stratospheric Ozone – Class I and II Controlled Substance
Destruction Verification Notification
(40 CFR 82.13(k) and 82.24(e))**

Pursuant to 40 CFR 82.13(k) and 40 CFR 82.24(e), Onyx Environmental Services – Sauget Facility is required to provide a verification that Class I and/or Class II Controlled Substances will be used in processes that result in their complete destruction.

Any Class I and/or Class II Controlled Substances shipped on the attached manifest will be completely destroyed by:

Onyx Environmental Services – Sauget Facility
7 Mobile Avenue
Sauget, IL 62201

Any Class I and/or Class II Controlled Substances shipped on the attached manifest will be completely destroyed no later than one year after the receipt of the Class I and/or Class II Controlled Substance(s) at Onyx Environmental Services – Sauget Facility.

Signature: _____

Christie Narez

Date: _____

6/8/06

PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 6-89)

Form Approved. OMB No. 2050-0039

HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MOD985796762		Manifest Document No. 119732		2. Page 1 of 1		Information in the shaded areas is not required by Federal law, but is required by Illinois law.					
3. Generator's Name and Mailing Address USDA FEDERAL GRAIN INSPECTION 10383 E. AMBASSADOR ST KANSAS CITY, MO 64153				Location If Different (816) 891-0431		A. Illinois Manifest Document Number IL10119732 FEE PAID IF APPLICABLE							
4. "24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS"						B. Generator's IL ID Number 929001999							
5. Transporter 1 Company Name HAZ-MAT RESPONSE, INC.				6. US EPA ID Number KSD985016047		C. Transporter's ID Number H-2052/K85PW963							
7. Transporter 2 Company Name ONYX Environmental SVCS				8. US EPA ID Number NTD080631369		D. Transporter's Phone (800) 229-5252							
9. Designated Facility Name and Site Address ONYX ENVIRONMENTAL SERVICES LLC # 7 MOBILE AVENUE SAUGET, IL 62201-1069				10. US EPA ID Number ILD098642424		E. Transporter's ID Number UPW0609181-0H							
						F. Transporter's Phone (618) 271-2804							
						G. Facility's IL ID Number 116131210009							
						H. Facility's Phone (618) 271-2804							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
WASTE METHYL BROMIDE 2.3, UN1062 POISON INHALATION HAZARD ZONE C DOT-11043 WIP 527833						X-11 DF		10		P		EPA HW Number 1029	
b.												EPA HW Number	
c.												EPA HW Number	
d.												EPA HW Number	
J. Additional Description for Materials Listed Above 11a) OSJH2, TWI587833 11b) 11c) 11d)						K. Handling Codes for Wastes Listed Above In Item #14							
15. Special Handling Instructions and Additional Information If unable to deliver, return to generator. In case of emergency contact 800-229-5252. Sequence # 9732 MO Trans ID: H-2146 P206976IL													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name RANCO C BICRAK						Signature RANCO C BICRAK						Date Month Day Year 090302	
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature BILL LURVEY						Date Month Day Year 9302	
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature Mark A Brodick						Date Month Day Year 090402	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.													
Printed/Typed Name DAN JONES						Signature DAN JONES						Date Month Day Year 090402	

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

22-2042



Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039, expires 09/30/95

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MO0985796762	Manifest Document No. 21216	2. Page 1 of 2	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address USDA Federal Grain Inspection 10825 N Ambassador Drive Kansas City, MO 64153				A. State Manifest Document Number 00921210		
4. Generator's Phone (816) 291-0431				B. State Generator ID 99929		
5. Transporter 1 Company Name H&T Response Inc.		6. US EPA ID Number IK50985016047		C. State Transporter ID		
7. Transporter 2 Company Name ONYX Environmental Svcs		8. US EPA ID Number WJD080631369		D. Transporter's Phone 3002275252		
9. Designated Facility Name and Site Address Set Environmental 5788 Cheswood St. Houston TX 77087		10. US EPA ID Number ITXD055135388		E. State Transporter ID H-2146		
				F. Transporter's Phone 619-271-2804		
				G. State Facility ID 50067		
				H. Facility's Phone 800-578-7328		
11A. HM Number	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID)		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a.	Waste Phosphine 2.3, UN2199 MB PIH Zone A WIP 587634 9/4/02		1	DF	10	P
b.	Waste Compressed Gas, Flammable, Toxic, n.o.s (Phosphine, Helium) 2.3, UN1953 Inhalation Hazard Zone A DOT-E 11043 WIP 587634		0.01	DM	0.0045	P
c.						
d.						
J. Additional Descriptions for Materials Listed Above 900 34830				K. Handling Codes for Wastes Listed Above H14		
15. Special Handling Instructions and Additional Information If unable to deliver Return to Generator In case of Emergency contact 800 229 5252 Plates: P206976 IL Positive Inhalation Hazard Zone A.						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name RONALD C BIASAK		Signature [Signature]		Month Day Year 9 3 02		
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name BILL LURVEY		Signature [Signature]		Month Day Year 9 3 02		
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name Mark A Bradnick		Signature [Signature]		Month Day Year 09 10 02		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name Darnell Hodge		Signature [Signature]		Date 09 10 02		

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Hazardous Waste Program
P.O. Box 176 Jefferson City, Missouri 65102
573-751-3176

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS
INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET

EMERGENCY RESPONSE	U.S. COAST GUARD 1-800-424-8802	CHEM TREC 1-800-424-9303	DEPT. OF NATURAL RESOURCES 573-634-2436
-----------------------	------------------------------------	-----------------------------	---

8526
Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039. Expires 9-30-99

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MOD9857967621610		Manifest Document No. 1610		2. Page 01 of 01		Information in the shaded areas is required by State law.					
3. Generator's Name and Mailing Address USDA FEDERAL GRAIN INSPECTION SVC 10383 NORTH AMBASSADOR DRIVE KANSAS CITY, MO 64153-1394						A. Missouri Manifest Document Number 0146950006							
4. Generator's Phone (816) 891-0431						B. G.S.I. (Gen. Site Address) SAME							
5. Transporter 1 Company Name HAZ-MAT RESPONSE, INC.						C. MO. Trans. ID H-2052/25680KS							
6. US EPA ID Number KSD98501604						D. Transporter's Phone (800) 229-5252							
7. Transporter 2 Company Name						E. MO. Trans. ID							
8. US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address HAZ-MAT Response Disposal Inc. 6300 Stadium Drive Kansas City, MO 64129						G. State Facility's ID RR0133							
10. US EPA ID Number MOD98112339						H. Facility's Phone (816) 924-5884							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any)) a. WASTE MERCURY, 8.0, UN2809, PGIII, RQ=10LBS. [02-0963]						12. Containers Number Type 1 D F		13. Total Quantity 10.41M		14. Unit 25 P		I. Waste No. EPA WASTE CODE D10109 STATE MO IN IE	
b.												EPA WASTE CODE STATE	
c.												EPA WASTE CODE STATE	
d.												EPA WASTE CODE STATE	
J. Additional Descriptions for Materials Listed Above						K. HANDLING CODE (FACILITY USE ONLY) INTERM FINAL COMMENTS a. 5.01 T.O.Y Rmerc							
b.						b.							
c.						c.							
d.						d.							
15. Special Handling Instructions and Additional Information If unable to deliver, return to Generator. If case of emergency, call 800-229-5252. ERG#172													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.													
Printed/Typed Name RONALD BIOSAK						Signature ALL RL				Month Day Year 09/01/02			
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature BILL LURVING				Date 9/10/02			
Printed/Typed Name BILL LURVING						Signature BILL LURVING				Month Day Year 9/10/02			
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature				Date			
Printed/Typed Name						Signature				Month Day Year			
19. Discrepancy Indication Space													
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name GREG MILLER						Signature GREG MILLER				Month Day Year 09/01/02			





DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY
Hazardous Waste Program
P.O. Box 176 Jefferson City, Missouri 65102
573-751-3176

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS
INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET

EMERGENCY RESPONSE	U.S. COAST GUARD 1-800-424-8802	CHEM TREC 1-800-424-8300	DEPT. OF NATURAL RESOURCES 573-634-2436
-----------------------	------------------------------------	-----------------------------	---

Form Approved OMB No. 2050-0039.

Please print or type (Form designated for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.	2. Page of	Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address USDA FEDERAL GRANT INSPECTION 1000 NORTH WINDSOR DRIVE KANSAS CITY, MO 64116-1194		4. Generator's Phone (913) 221-5511		A. Missouri Manifest Document Number 014575		B. G.S.I. (Gen. Site Address)	
5. Transporter 1 Company Name HAZ-MAT RESPONSE, INC.		6. US EPA ID NUMBER		C. MO. Trans. ID B-20521/KS 38797		D. Transporter's Phone (800) 229-5512	
7. Transporter 2 Company Name		8. US EPA ID NUMBER		E. MO. Trans. ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address HAZ-MAT Response Disposal Inc. 1700 Gladwin Drive Kansas City, MO 64120		10. US EPA ID NUMBER		G. State Facility ID K-01234		H. Facility's Phone (816) 924-5884	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))				12. Containers	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. NO. WASTE FLAMMABLE LIQUID, N.O.C., UN1190, 11				Number	Type		EPA WASTE CODE D 1 0 0 1 STATE N 10 16 18
b. NO. WASTE ETHERAL, 3, UN1170, 11							EPA WASTE CODE D 1 0 0 1 STATE N 10 16 18
c. WASTE ETHERS, 3, UN3271, 111							EPA WASTE CODE D 1 0 0 1 STATE N 10 16 18
d. WASTE TOXIC SOLID, INORGANIC, N.O.C., UN3028, 111, (POTASSIUM PERMANGANATE)							EPA WASTE CODE N 1 0 1 1 STATE N 10 16 18
J. Additional Information for Missouri Dept. of Natural Resources				K. HANDLING CODE (FACILITY USE ONLY)			
				INTERIM FINAL COMMENTS			
15. Special Handling Instructions and Additional Information If unable to deliver, return to generator. In case of emergency, call 800-224-5225. EPA # 113 127 113 127, 113 127 113 127							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.							
Printed/Typed Name				Signature		Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name				Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name				Signature		Date	
						Month Day Year	

GENERATOR COPY - PART 6

IMPORTANT

SEE INSTRUCTIONS SHOULD PART 1 & 2 FAIL TO RETURN WITHIN 35 DAYS





DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Hazardous Waste Program
P.O. Box 176 Jefferson City, Missouri 65102
573-751-3176

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS
INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET.

EMERGENCY RESPONSE	U.S. COAST GUARD 1-800-424-8802	CHEM TREC 1-800-424-9300	DEPT. OF NATURAL RESOURCES 573-634-2436
-----------------------	------------------------------------	-----------------------------	---

Form Approved OMB No. 2050-0039.

Please print or type (Form designated for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. [REDACTED]	2. Page of	Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address USDA FEDERAL CRIME INSPECTION SQUAD 10701 NORTH AMERICAN DRIVE KANSAS CITY, MO 64114-1334		4. Generator's Phone (Area Code) (Number) [REDACTED]		A. Missouri Manifest Document Number [REDACTED]	
5. Transporter 1 Company Name HUL-MAT RESPONSE, INC.		6. US EPA ID NUMBER [REDACTED]	C. MO. Trans ID [REDACTED]		D. Transporter's Phone [REDACTED]
7. Transporter 2 Company Name		8. US EPA ID NUMBER [REDACTED]	E. MO. Trans ID [REDACTED]		F. Transporter's Phone [REDACTED]
9. Designated Facility Name and Site Address HUL-MAT Response Disposal Co. CYPR Stadium Blvd. Kansas City, MO 64114		10. US EPA ID NUMBER [REDACTED]	G. State Facility ID [REDACTED]		H. Facility's Phone [REDACTED]
11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))		12. Containers Number Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.
a. WASTE OXIDIZING SOLID, N.O.S., (H202), (1) (CORROSIVE) (HAZARDOUS)					EPA WASTE CODE [REDACTED] STATE [REDACTED]
b. WASTE TOXIC SOLID, ORGANIC, N.O.S., (H228), (1) (EXTREMELY FLAMMABLE)					EPA WASTE CODE [REDACTED] STATE [REDACTED]
c.					EPA WASTE CODE [REDACTED] STATE [REDACTED]
d.					EPA WASTE CODE [REDACTED] STATE [REDACTED]
J. Additional Descriptions for Materials Listed Above		K. HANDLING CODE (FACILITY USE ONLY)			
a.		INTERIM FINAL COMMENTS			
b.					
c.					
d.					
15. Special Handling Instructions and Additional Information If unable to deliver, return to generator. In case of emergency, call 800-229-5811. ERG 1151 140, 110, 153					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.					
Printed/Typed Name [REDACTED]		Signature [REDACTED]		Month Day Year [REDACTED]	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature [REDACTED]		Date Month Day Year [REDACTED]	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature [REDACTED]		Date Month Day Year [REDACTED]	
19. Discrepancy Indication Space					
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Signature [REDACTED]		Date Month Day Year [REDACTED]	

GENERATOR COPY - PART 6

IMPORTANT

SEE INSTRUCTIONS SHOULD PART 1 & 2 FAIL TO RETURN
WITHIN 35 DAYS.



DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Hazardous Waste Program
P.O. Box 178, Jefferson City, Missouri 65102
573-751-3176

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS
INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET

EMERGENCY RESPONSE	U.S. COAST GUARD 1-800-424-8802	CHEMTREC 1-800-424-9300	DEPT. OF NATURAL RESOURCES 573-634-2436
-----------------------	------------------------------------	----------------------------	---

Please print or type (Form designated for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. M O D 9 8 5 7 9 6 7 6 2 1 8 1 4 6	Manifest Document No. 1 8 1 4 6	2. Page 01 of 01	Information in the shaded areas is required by State law.
3. Generator's Name and Mailing Address USDA FEDERAL GRAIN INSPECTION SVC 10383 NORTH AMBASSADOR DRIVE KANSAS CITY, MO 64153-1394					
4. Generator's Phone (816) 891-0431					
5. Transporter 1 Company Name Waste Express Inc.		6. US EPA ID NUMBER M O D 9 8 1 1 2 3 3 9			
7. Transporter 2 Company Name		8. US EPA ID NUMBER			
8. Designated Facility Name and Site Address Waste Express, Inc. 6300 Stadium Drive Kansas City, MO 64129		10. US EPA ID NUMBER M O D 9 8 1 1 2 3 3 9			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))		12. Containers		13. Total Quantity	14. Unit Wt/Vol.
a. WASTE FLAMMABLE LIQUID, N.O.S., (CYCLOHEXANE, DICHLOROMETHANE), 3, UN1993, II [00-2631]		Number Type			
b. RQ, WASTE ETHANOL, 3, UN1170, II [03-0983]		Number Type			
c. WASTE DIISOPROPYL ETHER, 3, UN1159, II (COMBO PACK) [04-0603]		Number Type			
d. WASTE TOXIC SOLID, ORGANIC, N.O.S., (ETHIDIUM BROMIDE), 6.1, UN2810, II [03-0104]		Number Type			
15. Special Handling Instructions and Additional Information If unable to deliver, return to Generator. In case of emergency, call 800-229-5252. 11a-ERG#128, 11b-ERG#127, 11c-ERG#127, 11d-ERG#153					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.					
Printed/Typed Name RONALD BIESAK		Signature <i>Ronald Biesak</i>		Month Day Year 11/15/04	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name BILL LARVEY		Signature <i>Bill Larvey</i>		Date 11/15/04	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Date	
19. Discrepancy Indication Space					
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name TOM WILTZ		Signature <i>Tom Wiltz</i>		Date 11/15/04	



GENERATOR FINAL COPY - PART 2

THIS COPY MUST BE RETAINED BY THE GENERATOR AFTER ITS RETURN FROM THE TSDF

**DEPARTMENT OF NATURAL RESOURCES**

DIVISION OF ENVIRONMENTAL QUALITY

Hazardous Waste Program

P.O. Box 176 Jefferson City, Missouri 65102
573-751-3176**HAZARDOUS WASTE MANIFEST**THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.
INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEETEMERGENCY
RESPONSEU.S. COAST GUARD
1-800-424-8802CHEM TREC
1-800-424-9300DEPT. OF NATURAL
RESOURCES
573-634-2438

Please print or type (Form designated for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039.

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

M, O, D, 9, 8, 5, 7, 9, 6, 7, 6, 2, 1, 8, 1, 4, 7

Manifest
Document No.2. Page 01
of 01Information in the shaded areas
is required by State law.

3. Generator's Name and Mailing Address

USDA FEDERAL GRAIN INSPECTION SYC
10383 NORTH AMBASSADOR DRIVE
KANSAS CITY, MO 64153-1394

4. Generator's Phone (816) 891-0431

5. Transporter 1 Company Name

Waste Express Inc.

6. US EPA ID NUMBER

M, O, D, 9, 8, 1, 1, 2, 3, 3, 9, 4

7. Transporter 2 Company Name

8. US EPA ID NUMBER

9. Designated Facility Name and Site Address

Waste Express, Inc.
6300 Stadium Drive
Kansas City, MO 64129

10. US EPA ID NUMBER

M, O, D, 9, 8, 1, 1, 2, 3, 3, 9, 4

11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))

a. BATTERIES WET FILLED WITH ACIC, 8, UN2794, III
(UNIVERSAL WASTE) [02-0528]

12. Containers

Number

Type

13. Total
Quantity14. Unit
WVVol.

1 1 C W

300
50 P

15. Special Handling Instructions and Additional Information

If unable to deliver, return to Generator.
In case of emergency, call 1-800-229-5252.
11a-ERG#154

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.

Printed/Typed Name

RONALD BIASOK

Signature

RM RL

Month Day Year

11/15/04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

BILL LURVEY

Signature

Bill Lurvey

Month Day Year

11/15/04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

11/15/04

19. Discrepancy Indication Space

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Tom Wiltz

Signature

Tom Wiltz

Month Day Year

11/15/04



GENERATOR FINAL COPY - PART 2

THIS COPY MUST BE RETAINED BY THE GENERATOR AFTER ITS RETURN FROM THE TSPF

PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 6-89)

Form Approved, OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 11D098642424		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law, but is required by Illinois law.					
3. Generator's Name and Mailing Address NEPA FEDERAL GRANT INSPECTION 10381 NORTH AMBASSADOR DRIVE KANSAS CITY, MO 64153 4. "24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS"				Location If Different (816) 891-0431		A. Illinois Manifest Document Number IL100933257 FEE PAID IF APPLICABLE B. Generator's IL ID Number 929001949 C. Transporter's ID Number H-2390/MO 860985 D. Transporter's Phone (816) 924-5884 E. Transporter's ID Number F. Transporter's Phone () G. Facility's IL ID Number 116131244444 H. Facility's Phone (618) 271-2804							
5. Transporter 1 Company Name WASTE EXPRESS, INC.		6. US EPA ID Number MOD981123391											
7. Transporter 2 Company Name		8. US EPA ID Number											
9. Designated Facility Name and Site Address ONYX ENVIRONMENTAL SERVICES LLC # 7 NOBILE AVENUE SAUGET, IL 62201-1069		10. US EPA ID Number 11D098642424											
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) WASTE TOXIC LIQUID, ORGANIC, N.O.S. (THIAZENDAZOL TRIAMENOL) 6.1, UN2810, II, ERG 1 (5) (LPG-LIQUID) WTP 314847						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		I. Waste No. EPA HW Number P050 0015 NONE	
a.										EPA HW Number			
b.										EPA HW Number			
c.										EPA HW Number			
d.										EPA HW Number			
J. Additional Description for Materials Listed Above 11D098642424 P050 0015 11d1 11d2 11d3 11d4						K. Handling Codes for Wastes Listed Above In Item #14							
15. Special Handling Instructions and Additional Information If unable to deliver, return to generator. In case of emergency contact 800-224-5251 Sequence # C017													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed /Typed Name KONAN, J. ...								Signature 				Date Month Day Year 11 11 2011	
17. Transporter 1 Acknowledgement of Receipt of Materials								Signature 				Date Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials								Signature 				Date Month Day Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.												Date Month Day Year	
Printed /Typed Name ...								Signature 				Date Month Day Year	

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 6. GENERATOR'S COPY

**DEPARTMENT OF NATURAL RESOURCES**

DIVISION OF ENVIRONMENTAL QUALITY

Hazardous Waste Program

P.O. Box 178 Jefferson City, Missouri 65102

573-751-3176

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS. INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET.

EMERGENCY RESPONSE	U.S. COAST GUARD 1-800-424-6802	CHEM TREC 1-800-424-9300	DEPT. OF NATURAL RESOURCES 573-634-2436
-----------------------	------------------------------------	-----------------------------	---

Please print or type (Form designated for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039.

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest
Document No.2. Page 1of 1Information in the shaded areas
is required by State law.

3. Generator's Name and Mailing Address

USDA FEDERAL GRAIN INSPECTION SVC
10383 NORTH AMBASSADOR DRIVE
KANSAS CITY, MO 64153-1394

4. Generator's Phone

(816) 531-0435

5. Transporter 1 Company Name

Waste Express Inc.

6. US EPA ID NUMBER

MO D 9 S 1 1 2 3 3 9 1

7. Transporter 2 Company Name

8. US EPA ID NUMBER

9. Designated Facility Name and Site Address

Waste Express, Inc.
6300 Stadium Drive
Kansas City, MO 64129

10. US EPA ID NUMBER

MO D 9 S 1 1 2 3 3 9 1

11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))

12. Containers

13. Total
Quantity14. Unit
Wt/Vol

a. RQ, WASTE ETHANOL, 3, UN1170, II

b. [03-0983]

c. EPA WASTE CODE

d. EPA WASTE CODE

15. Special Handling Instructions and Additional Information

If unable to deliver, return to Generator.
In case of emergency, call 800-229-5252.
11A-ERG#12?

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.

Printed/Typed Name

JASON KANOSSAL

Signature

Month Day Year

11/10/05

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

BILL LURVEY

Signature

Month Day Year

11/18/05

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

11/18/05

19. Discrepancy Indication Space

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Paul Shields

Signature

Month Day Year

11/10/05



DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Hazardous Waste Program
P.O. Box 176 Jefferson City, Missouri 65102
573-751-3176

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.
INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET.

EMERGENCY RESPONSE	U.S. COAST GUARD 1-800-424-8802	CHEM TREC 1-800-424-9300	DEPT. OF NATURAL RESOURCES 573-634-2436
-----------------------	------------------------------------	-----------------------------	---

Please print or type (Form designated for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 1009507850700158887	Manifest Document No.	2. Page 1 of 01	Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address USDA FEDERAL GRAIN INSPECTION SVC 10383 NORTH AMBASSADOR DRIVE KANSAS CITY, MO 64155-1394		4. Generator's Phone (816) 801-0423		A. Missouri Manifest Document Number 014525001014		
5. Transporter 1 Company Name Waste Express Inc.		6. US EPA ID NUMBER 100981123321		B. C.S.T. (Gen. Site Address) SAME		
7. Transporter 2 Company Name		8. US EPA ID NUMBER		C. M.O. Trans. # H-3398/21023MO		
9. Designated Facility Name and Site Address Waste Express, Inc. 6300 Stadium Drive Kansas City, MO 64129		10. US EPA ID NUMBER 100981123321		D. Transporter's Phone (816) 924-5884		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any)) a. WASTE FLAMMABLE LIQUID, N.O.S. (CYCLOHEXANE, DICHLOROMETHANE), UN1993, II [00-2631]		12. Containers Number Type		13. Total Quantity	14. Unit Wt/Vol.	15. Waste No. EPA WASTE CODE STATE
b.						EPA WASTE CODE STATE
c.						EPA WASTE CODE STATE
d.						EPA WASTE CODE STATE
J. Additional Descriptions for Materials Listed Above		K. HANDLING CODE (FACILITY USE ONLY) INTERIM FINAL COMMENTS				
a. 5000 2000		a. 5000 2000				
b.		b.				
c.		c.				
d.		d.				
15. Special Handling Instructions and Additional Information If unable to deliver, return to Generator. In case of emergency, call 800-229-5252. 114-ERG#128						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.						
Printed/Typed Name RONALD BIGS AK		Signature [Signature]		Month Day Year 11 10 95		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name [Signature]		Signature [Signature]		Month Day Year 11 10 95		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Becky Langston						
Signature [Signature]		Month Day Year 11 11 05				

MISSOURI DNR FINAL COPY - PART 1

THIS COPY MUST BE SENT BACK TO THE GENERATOR BY THE DESIGNATED FACILITY THEN TRANSMITTED TO THE DEPARTMENT BY THE GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number 000803794 JJK	
5. Generator's Name and Mailing Address USDA FEDERAL GRAIN INSPECTION 10383 N AMBASSADOR DR KANSAS CITY, MO 64153 US				Generator's Site Address (if different than mailing address)		
6. Transporter 1 Company Name MEREX ENVIRONMENTAL SOLUTIONS				U.S. EPA ID Number MO0981023001		
7. Transporter 2 Company Name				U.S. EPA ID Number		
8. Designated Facility Name and Site Address WASTE EXPRESS INC 6308 STADIUM DRIVE KANSAS CITY, MO 64126 01				U.S. EPA ID Number MO0981023001		
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type	11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes
		1. WASTE, ETHANOL, 3, UN1770, 1, (ETHANOL), ERG0127	1 DF	200	P	D001
		2. WASTE, FLAMMABLE LIQUIDS, N.O.S., 3, UN1993, 1, (METHANOL ISOPROPANOL), ERG0128	1 DF	200	P	D001 F003
		3.				
14. Special Handling Instructions and Additional Information						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Officer's Printed/Typed Name Ronald B. Bickel		Signature <i>[Signature]</i>		Month Day Year 1/21/2001		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: Bill L. Lavey Signature: <i>[Signature]</i> Month Day Year: 1/23/00 Transporter 2 Printed/Typed Name: _____ Signature: _____ Month Day Year: _____						
DESIGNATED FACILITY	18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____					
	18b. Alternate Facility (or Generator) Facility's Name: _____ U.S. EPA ID Number: _____					
	18c. Signature of Alternate Facility (or Generator) Month Day Year					
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)					
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a Printed/Typed Name: _____ Signature: _____ Month Day Year: _____					



STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL

P.O. BOX 19276

SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

State Form LPC 62 8/81

IL532-0610

FOR SHIPMENT OF HAZARDOUS
AND SPECIAL WASTE

044597 8358128

PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 6-89)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MOD 925796762		Manifest Document No. 21453		2. Page 1 of 1		Information in the shaded areas is not required by Federal law, but is required by Illinois law.					
3. Generator's Name and Mailing Address USDA Federal Grain Inspection 16323 North Ambassador Dr, Kansas City MO 64153						A. Illinois Manifest Document Number IL10853977 FEE PAID IF APPLICABLE							
4. "24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS" 812 871-0431						B. Generator's IL ID Number 929 00 1999							
5. Transporter 1 Company Name Waste Express						C. Transporter's ID Number H2350							
7. Transporter 2 Company Name Polution Control						D. Transporter's Phone (316) 9245884							
6. US EPA ID Number MOD 981123341						E. Transporter's ID Number							
8. US EPA ID Number IND 080646943						F. Transporter's Phone (219) 3573951							
9. Designated Facility Name and Site Address Polution Control 5485 Taylor Dr 777 Motie Ave Memphis TN 38053 IND 0807286 IND 0807286						G. Facility's IL ID Number 163121000							
H. Facility's Phone 888 724 3354 618 271 2804													
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		I. Waste No.	
a. Waste Toxic Liquid Organic N.A.S. (Thin Benzol Triad Mend) 6.1, UN 2716, II E 6153						No. 1 Type DF		254		P		EPA HW Number P050	
b.												EPA HW Number	
c.												EPA HW Number	
d.												EPA HW Number	
J. Additional Description for Materials Listed Above WIP 314847 DO14 PO04 P051 U061 P071 P089 D013 71						K. Handling Codes for Wastes Listed Above in Item #14 H061							
15. Special Handling Instructions and Additional Information IF unable to deliver Return to generator Jucos of Emergency contact 866549970 Sequence # 0017													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Rowan Biesak										Signature Rowan Biesak		Date Month Day Year 070506	
17. Transporter 1 Acknowledgement of Receipt of Materials										Signature Bill Lurvey		Date Month Day Year 7506	
18. Transporter 2 Acknowledgement of Receipt of Materials										Signature Rodney Bynum		Date Month Day Year 103006	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.										Signature D Suer		Date Month Day Year 103106	

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1.TSD MAIL TO GENERATOR

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.
INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET

IN CASE OF RELEASE CONTACT
U.S. COAST GUARD AND MDNR

U.S. COAST GUARD
1-800-424-8802

DEPT. OF NATURAL
RESOURCES
573-634-2436

Form Approved. OMB No 2050-0039

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page	Information in the shaded area is required by State law	
3. Generator's Name and Mailing Address USDA FEDERAL GRAIN INSPECTION SVC 10383 NORTH AMBASSADOR DRIVE KANSAS CITY, MO 64153-1394		4. Generator's Phone (816) 891-0431	MO D 98 579676220356	01 of 01	A. Missouri Manifest Document Number 014695 0015	
5. Transporter 1 Company Name Waste Express Inc.		8. US EPA ID Number MO D 98 1123391	C. MO. Trans. ID H-2390/13706MO		D. Transporter's Phone (816) 924-5884	
7. Transporter 2 Company Name		8. US EPA ID Number	E. MO. Trans. ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address Waste Express, Inc. 6300 Stadium Drive Kansas City, MO 64129		10. US EPA ID Number MO D 98 1123391	G. State Facility's ID RR0133		H. Facility's Phone (816) 924-5884	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))		12. Containers	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.	
a. RQ, WASTE ETHANOL 3, UN1170, II [03-0983]		1 DM	400 P		EPA WASTE CODE D 0 0 1 STATE N O N E	
b. RQ, WASTE FLAMMABLE LIQID N.O.S. (METHANOL, ISOPROPANOL) 3, UN1993, II [03-0982]		2 DM	800 P		EPA WASTE CODE D 0 0 1 STATE N O N E	
c. WASTE FLAMMABLE LIQUID N.O.S. (CYCLOHEXANE DICHLOROMETHANE) 3, UN1993, II [00-2631]		1 DM	400 P		EPA WASTE CODE D 0 0 1 STATE N O N E	
d. WASTE TOXIC SOLID, ORGANIC N.O.S. (ETHIDIUM BROMIDE) 6.1, UN2810, II [03-0104]		1 DF	100 P		EPA WASTE CODE N O N E STATE N O N E	
J. Additional Descriptions for Materials Listed Above		K. HANDLING CODE (FACILITY USE ONLY)		COMMENTS		
a. F003		a. S01 T510				
b. F002 F003		b. S01 T510				
c. F002 F003		c. S01 T510				
d. F002 F003		d. S01 T04 Stabl				
15. Special Handling Instructions and Additional Information If unable to deliver, return to Generator. In case of emergency, call 800-229-5252. 11A-ERG#127 11B-ERG#128 11C-ERG#128 11D-ERG#153						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.						
Printed/Typed Name RONALD BISAK		Signature [Signature]		Month Day Year 04/20/06		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name BILL LURVEY		Signature [Signature]		Month Day Year 04/20/06		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Steven Brown						
Signature [Signature]		Month Day Year 10/20/06				

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF ENVIRONMENTAL QUALITY
 Hazardous Waste Program
 P.O. Box 176 Jefferson City, Missouri 65102
 573-751-3176

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.
 INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET

IN CASE OF RELEASE CONTACT
 U.S. COAST GUARD AND MDNR

U.S. COAST GUARD
 1-800-424-8802

DEPT OF NATURAL
 RESOURCES
 573-634-2436

Form Approved: OMB No 2050-0039

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MOD98579676220357		2. Page 01 of 01		Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address USDA FEDERAL GRAIN INSPECTION SVC 10383 NORTH AMBASSADOR DRIVE KANSAS CITY, MO 64153-1394				A. Missouri Manifest Document Number 014695 0015			
4. Generator's Phone (816) 891-0431				B. G.S.I. (Gen. Site Address) SAME			
5. Transporter 1 Company Name Waste Express Inc.				C. MO. Trans. ID H-2390/13706MO			
6. US EPA ID Number MOD981123391				D. Transporter's Phone (816) 924-5884			
7. Transporter 2 Company Name				E. MO. Trans. ID			
8. US EPA ID Number				F. Transporter's Phone			
9. Designated Facility Name and Site Address Waste Express, Inc. 6300 Stadium Drive Kansas City, MO 64129				G. State Facility's ID RR0133			
10. US EPA ID Number MOD981123391				H. Facility's Phone (816) 924-5884			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))				12. Containers Number Type		13. Total Quantity	
a. WASTE HYDROCHLORIC ACID 8, UN1789, III				1		20 P	
b. UNIVERSAL WASTE (THERMOMETERS)				1		2 P	
c.							
d.							
J. Additional Descriptions for Materials Listed Above				K. HANDLING CODE (FACILITY USE ONLY)		I. Waste No.	
a.				INTERNAL		EPA WASTE CODE D1002	
b.				FINAL		STATE NONE	
c.						EPA WASTE CODE NONE	
d.						STATE NONE	
15. Special Handling Instructions and Additional Information If unable to deliver, return to Generator. In case of emergency, call 800-229-5252. 11A-ERG#157				COMMENTS Solid TION Stabl			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.							
Printed/Typed Name RONALD BICSAK				Signature <i>[Signature]</i>		Month Day Year 04 20 96	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Month Day Year 04 20 96	
Printed/Typed Name DILL HARVEY				Signature <i>[Signature]</i>		Month Day Year 04 20 96	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name Steven Brown				Signature <i>[Signature]</i>		Month Day Year 04 20 96	

GENERATOR
TRANSPORTER
FACILITY

GENERATOR FINAL COPY - PART 2

THIS COPY MUST BE RETAINED BY THE GENERATOR AFTER ITS RETURN FROM THE TSDF.



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 6-89)

Form Approved. OMB No. 2050-0039

RMB

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

MOD 985 796 762 20356

Manifest
Document No.

2. Page 1

of 1

Information in the shaded areas is not
required by Federal law, but is required by
Illinois law.

3. Generator's Name and Mailing Address

USDA Federal Grain Inspection
10383 North Ambassador Dr
Kansas City Mo 64153

Location If Different

4. "24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS"

816 891 0431

5. Transporter 1 Company Name

Waste Express

6.

US EPA ID Number

MOD981123351

7. Transporter 2 Company Name

8.

US EPA ID Number

9. Designated Facility Name and Site Address

DUYX Environmental Services
#7 mobile Ave

10.

US EPA ID Number

Sunset IL 62201

JLD098642424

A. Illinois Manifest Document Number

IL10853978

FEE PAID
IF APPLICABLEB. Generator's IL
ID Number

929019999

C. Transporter's
ID Number

WPM 1518 51100

D. Transporter's Phone

(816) 924 5811

E. Transporter's
ID Number

F. Transporter's Phone ()

G. Facility's IL
ID Number

1631210009

H. Facility's Phone

6181271 2804

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

No.

Type

13. Total
Quantity14. Unit
Wt/Vol

I. Waste No.

a. Waste toxic Liquid Organic N.O.S., L.I., UN2810, II

Ethicabendazol, TRIDMENSOL

EAL 153

1

DM

250

P

EPA HW Number
P050

None

b.

EPA HW Number

c.

EPA HW Number

d.

EPA HW Number

J. Additional Description for Materials Listed Above

D014 P004 P051 UD61P071 P079 D013 WIP 3/4847

K. Handling Codes for Wastes Listed Above
in Item #14

15. Special Handling Instructions and Additional Information

If unable to deliver Return to Generator In case of emergency contact 866 599 9706

Sequence # 0015

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by
proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway
according to applicable international and national government regulations.If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to
be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present
and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and
select the best waste management method that is available to me and that I can afford.

Printed /Typed Name

RONALD BICSAK

Signature

RMB

Date
Month Day Year
04 20 06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed /Typed Name

BILL LURVEY

Signature

Bill Lurvey

Date
Month Day Year
4 20 06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed /Typed Name

Signature

Date
Month Day Year

19. Discrepancy Indication Space

drum not received manifest voided per mark struble 5/1/06

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed /Typed Name

Jim Drug Jim Drug

Signature

Jim Drug Jim Drug

Date
Month Day Year
05 01 06This Agency is authorized to release, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide
this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000
per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1, 750 MAIL TO GENERATOR

27 1039 28 9709

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Hazardous Waste Program
P.O. Box 176 Jefferson City, Missouri 65102
573-751-3176

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.
INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET.

EMERGENCY RESPONSE	U.S. COAST GUARD 1-800-424-8802	CHEM TREC 1-800-424-9300	DEPT. OF NATURAL RESOURCES 573-634-2436
-----------------------	------------------------------------	-----------------------------	---

Form Approved OMB No. 2050-0039. Expires 9-30-99

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MOD98579676		Manifest Document No. 14249		2. Page 01 of 01		Information in the shaded areas is required by State law.		
3. Generator's Name and Mailing Address USDA FEDERAL GRAIN INSPECTION SVC 10383 NORTH AMBASSADOR DRIVE KANSAS CITY, MO 64153-1394						A. Missouri Manifest Document Number 0146950004				
4. Generator's Phone (816) 891-0431						B. G.S.I. (Gen. Site Address) SAME				
5. Transporter 1 Company Name HAZ-MAT RESPONSE, INC.						C. MO. Trans. ID H-2052725480K5				
6. US EPA ID Number MOD98901404						D. Transporter's Phone (800) 229-5252				
7. Transporter 2 Company Name						E. MO. Trans. ID				
8. US EPA ID Number						F. Transporter's Phone				
9. Designated Facility Name and Site Address HAZ-MAT Response Disposal Inc. 6300 Stadium Drive Kansas City, MO 64129						G. State Facility's ID RR0133				
10. US EPA ID Number MOD98112339						H. Facility's Phone (816) 924-5884				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))						12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol.	15. Waste No.
a. WASTE FLAMMABLE LIQUID NOS(ETHANOL) 3.0, UN1993, PGII ERG#128 [00-2633]						1	DM	100	P	EPA WASTE CODE D001 STATE MO
b. WASTE FLAMMABLE LIQUID N.O.S (METHANOL, ISO) 3.0, UN1993, PGII ERG#128 [00-2632]						1	DM	100	P	EPA WASTE CODE N001 STATE MO
c. WASTE FLAMMABLE LIQUID N.O.S(CYCLOHEXANE, DICHLORO) 3.0, UN1993, PGII ERG#128 [00-2631]						1	DM	100	P	EPA WASTE CODE D101 STATE MO
d.						1	DM	100	P	EPA WASTE CODE N001 STATE MO
16. Special Handling Instructions and Additional Information If unable to deliver, return to Generator. If case of emergency, call 800-229-5252.						K. HANDLING CODE (FACILITY USE ONLY) INTERIM FINAL COMMENTS				
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Bill Burden						Signature Bill Burden		Month Day Year 6/14/01		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Bill Lurvey						Signature Bill Lurvey		Month Day Year 6/14/01		
19. Discrepancy Indication Space										
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Steven Brown						Signature Steven Brown		Month Day Year 6/14/01		

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY

Hazardous Waste Program

P.O. Box 176 Jefferson City, Missouri 65102
573-751-3176

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.
INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET.EMERGENCY
RESPONSEU.S. COAST GUARD
1-800-424-8802CHEM TREC
1-800-424-9300DEPT. OF NATURAL
RESOURCES
573-634-2438

Form Approved OMB No. 2050-0039. Expires 9-30-99

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MOD98579674114263		2. Page 01 of 01		Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address USDA FEDERAL GRAIN INSPECTION SVC 10383 NORTH AMBASSADOR DRIVE KANSAS CITY, MO 64153-1394				Missouri Manifest Document Number 0145950005			
4. Generator's Phone (816) 891-0431				B. C.S.I. (Gen. Sup. Manager) DMR			
5. Transporter 1 Company Name HAZ-MAT RESPONSE, INC.				C. MO. Trans. ID 8-2052			
6. US EPA ID Number 45709801607				D. Transporter Phone (800) 229-5252			
7. Transporter 2 Company Name				E. MO. Trans. ID			
8. US EPA ID Number				F. Transporter's Phone			
9. Designated Facility Name and Site Address HAZ-MAT Response Disposal Inc. 6300 Stadium Drive Kansas City, MO 64120				G. State Facility's ID P20139			
10. US EPA ID Number MOD98112329				H. Facility Phone (816) 924-5884			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))				12. Containers Number Type		13. Total Quantity	
a. Waste Flammable Liquid n.o.s. (Methanol/ISO) 3, UN 1993, PG III				14. Unit Wt/Vol		I. Waste No.	
[00-2632]				15. EPA WASTE CODE STATE MO		EPA WASTE CODE STATE MO	
b.				16. EPA WASTE CODE STATE		EPA WASTE CODE STATE	
c.				17. EPA WASTE CODE STATE		EPA WASTE CODE STATE	
d.				18. EPA WASTE CODE STATE		EPA WASTE CODE STATE	
e.				19. EPA WASTE CODE STATE		EPA WASTE CODE STATE	
f.				20. EPA WASTE CODE STATE		EPA WASTE CODE STATE	
15. Special Handling Instructions and Additional Information If unable to deliver, return to Generator. In case of emergency, call 800-229-5252.				K. HAZARD CODE (FACILITY USE ONLY) SP 1 T 83			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.				L. COMMENTS			
Printed/Typed Name RONALD BIESAK				Signature [Signature]		Month Day Year 10/1/91	
17. Transporter Acknowledgement of Receipt of Materials Printed/Typed Name BILL LURKE				Signature [Signature]		Month Day Year 10/1/91	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Steven Brown				Signature [Signature]		Month Day Year 10/1/91	

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Hazardous Waste Program
P.O. Box 176 Jefferson City, Missouri 65102
573-751-3178

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.
INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET.

EMERGENCY RESPONSE	U.S. COAST GUARD 1-800-424-8802	CHEM TREC 1-800-424-9300	DEPT. OF NATURAL RESOURCES 573-834-2438
-----------------------	------------------------------------	-----------------------------	---

Form Approved OMB No. 2050-0039. Expires 9-30-99

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

HE-29

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. M.O.D.9.8.5.7.9.6.7.6.2.1.5.8.2.7	Manifest Document No. 1.5.8.2.7	2. Page 91 of 01	Information in the shaded areas is required by State law.
3. Generator's Name and Mailing Address USDA FEDERAL GRAIN INSPECTION SVC 10383 NORTH AMBASSADOR DRIVE KANSAS CITY, MO 64153-1394		4. Generator's Phone (816) 891-0431		5. Transporter 1 Company Name HAZ-MAT RESPONSE, INC.	
6. US EPA ID Number K.S.D.9.8.5.0.1.6.0.4.7		7. Transporter 2 Company Name Heritage Transport LLC		8. US EPA ID Number I.M.D.058.484.1.1.4	
9. Designated Facility Name and Site Address VON ROLL AMERICA, INC 1250 SAINT GEORGE STREET EAST LIVERPOOL, OH 43920-		10. US EPA ID Number O.H.D.9.8.0.6.1.3.5.4.1		11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any)) WASTE TOXIC LIQUID, ORGANIC, N.O.S., 6.1, UN2810, II, (ALDRIN, ATRAZINE) UGKM095L	
12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.	
Number Type				EPA WASTE CODE U 2 0 1 8 STATE N O N E	
16. Special Handling Instructions and Additional Information If unable to deliver, return to Generator. P127 U036 U037 U240 P044 P020 If case of emergency, call 800-229-5252. P039 P050 P051 U061 P059 U127 P060 U129 P199 P066 U247 U029 U060 U061 P089 P094 P201 U411 U410 P123 U389		17. Generator's Certification I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations.		18. Generator's Signature RONALD BICSAK	
19. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name BILL LARVEY		Signature Bill Larvey		Month Day Year 10/1/02	
20. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name X Robert S. Tippett		Signature X RLT		Month Day Year 10/2/02	
21. Discrepancy Indication Space		22. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		Date Month Day Year 10/2/02	
Printed/Typed Name FRANK CIANNI		Signature Frank Cianni		Month Day Year 10/2/02	

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Hazardous Waste Program
P.O. Box 176 Jefferson City, Missouri 65102
573-751-3176

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.
INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET.

EMERGENCY RESPONSE	U.S. COAST GUARD 1-800-424-8500	CHEMTREC 1-800-424-9300	DEPT. OF NATURAL RESOURCES 573-634-1301
-----------------------	------------------------------------	----------------------------	---

Form Approved OMB No. 2050-0039, Expires 9-30-99

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. [Blank]		Manifest Document No. [Blank]		2. Page of [Blank]		Information in the shaded areas is required by State law.		
3. Generator's Name and Mailing Address USDA FEDERAL GREAT INSPECTION SVC 10383 NORTH AMBASSADOR DRIVE KANSAS CITY, MO 64154-1344						A. Missouri Manifest Document Number 014694 [Blank] 0001				
4. Generator's Phone (816) 441-0471						B. G.S.I. (Gen. Site Address) SAME				
5. Transporter 1 Company Name HAZ-WASTE RESPONSE INC.						C. MO. Trans. ID 42053/KS25680				
6. US EPA ID Number [Blank]						D. Transporter's Phone (800) 229-5252				
7. Transporter 2 Company Name [Blank]						E. MO. Trans. ID [Blank]				
8. US EPA ID Number [Blank]						F. Transporter's Phone [Blank]				
9. Designated Facility Name and Site Address HAZ-WASTE RESPONSE INC. 6300 Stadium Drive Kansas City, MO 64120						G. State Facility's ID KRU153				
10. US EPA ID Number [Blank]						H. Facility's Phone (816) 924-5884				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))						12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE FLAMMABLE LIQUID, N.O.S. (CYCLOHEXANE, HIGH PURITY) (UN1203) (P01)										EPA WASTE CODE D101011 STATE MO IN 15
b. WASTE FLAMMABLE LIQUID, N.O.S. (METHANOL, ISOPROPANOL) (UN1993) (P01)										EPA WASTE CODE D101011 STATE MO IN 15
c. WASTE TOXIC SOLID, ORGANIC, N.O.S. (PENTHION BROMIDE) (P01) (P02) (P03)										EPA WASTE CODE N101011 STATE MO IN 15
d. [Blank]										EPA WASTE CODE [Blank] STATE [Blank]
J. Additional Descriptions for Materials Listed Above						K. HANDLING CODE (FACILITY USE ONLY)				
a. [Blank]						INTERM FINAL COMMENTS				
b. [Blank]						[Blank]				
c. [Blank]						[Blank]				
d. [Blank]						[Blank]				
15. Special Handling Instructions and Additional Information If unable to deliver, return to generator. In case of emergency, call 800-229-5252. a1ERG0128 b1ERG128 c1ERG0128										
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.										
Printed/Typed Name Lynn A. [Blank]						Signature [Blank]		Month Day Year [Blank]		
17. Transporter 1 Acknowledgement of Receipt of Materials						Date				
Printed/Typed Name Bill L. [Blank]						Signature [Blank]		Month Day Year [Blank]		
18. Transporter 2 Acknowledgement of Receipt of Materials						Date				
Printed/Typed Name [Blank]						Signature [Blank]		Month Day Year [Blank]		
19. Discrepancy Indication Space										
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.										
Printed/Typed Name [Blank]						Signature [Blank]		Month Day Year [Blank]		

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.
INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET.

EMERGENCY RESPONSE	U.S. COAST GUARD 1-800-424-8802	CHEMTREC 1-800-424-9333	DEPT. OF NATURAL RESOURCES 573-634-2435
-----------------------	------------------------------------	----------------------------	---

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039. Expires 9-30-99

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		2. Page _____ of _____		3. Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address				A. Missouri Manifest Document Number			
USOA FEDERAL GRAIN INSPECTION SVC 10341 NORTH AMBASSADOR DRIVE KANASAS CITY, MO 64125-1194				01141695 [shaded] 010013			
4. Generator's Phone () 41-6131				B. G.S.I. (Gen. Site Address)			
5. Transporter 1 Company Name				C. MO. Trans. ID			
HAZ-MAT RESPONSE, INC.				H-2052/25680KS			
6. US EPA ID Number				D. Transporter's Phone (800) 229-5752			
7. Transporter 2 Company Name				E. MO. Trans. ID			
8. US EPA ID Number				F. Transporter's Phone			
9. Designated Facility Name and Site Address				G. State Facility's ID			
HAZ-MAT RESPONSE, INC. 6300 SANGHAM DRIVE NEWBOLD, CALIFORNIA 95652				R R 0133			
10. US EPA ID Number				H. Facility's Phone (816) 924-5884			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))				12. Containers Number	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE TOXIC LIQUID, ORGANIC, NONFLAMMABLE, PG I 3.0 UN3297, PG I							EPA WASTE CODE A 10 H 1 F STATE
b. WASTE FLAMMABLE LIQUID, NONFLAMMABLE, WATER 3.0 UN1993, PG I							EPA WASTE CODE D 10 10 11 STATE
c. WASTE FLAMMABLE LIQUID, NONFLAMMABLE, ISOPROPANOL 3.0 UN1993, PG I							EPA WASTE CODE D 10 10 11 STATE
d. BATTERIES WET FILLED WITH ACID UNIVERSAL WASTE							EPA WASTE CODE H 10 H 1 F STATE
J. Additional Descriptions for Materials Listed Above				K. HANDLING CODE (FACILITY USE ONLY)			
				INTERIM FINAL COMMENTS			
a.				a.			
b.				b.			
c.				c.			
d.				d.			
15. Special Handling Instructions and Additional Information							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations.							
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.							
Printed/Typed Name				Signature		Month Day Year	
RONALD B. CSAR				[Signature]		03 14 02	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
[Signature]				[Signature]		05 11 02	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name				Signature		Month Day Year	

SEE INSTRUCTIONS SHOULD PART 182 FAIL TO RETURN

HAZARDOUS WASTE MANIFEST

THIS DOCUMENT MUST BE USED FOR ALL MISSOURI-DESTINED SHIPMENTS.
INSTRUCTIONS FOR THE COMPLETION OF THIS FORM ARE ON A SEPARATE SHEET.

IN CASE OF RELEASE CONTACT
U.S. COAST GUARD AND MDNR

U.S. COAST GUARD
1-800-424-8802

DEPT. OF NATURAL
RESOURCES
573-634-2436

Form Approved. OMB No 2050-0039

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MOD98579676221452	Manifest Document No. 01	2. Page 01 of 01	Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address USDA FEDERAL GRAIN INSPECTION SVC 10383 NORTH AMBASSADOR DRIVE KANSAS CITY, MO 64153-1394			A. Missouri Manifest Document Number 0146950016			
4. Generator's Phone (816) 891-0431			B. G.S.I. (Gen. Site Address) SAME			
5. Transporter 1 Company Name Waste Express Inc.			C. MO. Trans. ID H-2390 13701MO			
6. US EPA ID Number MOD981123391			D. Transporter's Phone (816) 924-5884			
7. Transporter 2 Company Name			E. MO. Trans. ID			
8. US EPA ID Number			F. Transporter's Phone			
9. Designated Facility Name and Site Address Waste Express, Inc. 6300 Stadium Drive Kansas City, MO 64129			G. State Facility's ID RR0133			
10. US EPA ID Number MOD981123391			H. Facility's Phone (816) 924-5884			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, ID Number and Packing Group (if any))		12. Containers Number Type	13. Total Quantity	14. Unit Wt/Vol.	I. Waste No.	
a. RO. WASTE FLAMMABLE LIQUID, N.O.S. (METHANOL, ISOPROPANOL), 3, UN1993, II [03-0982]		1 1 M	200	P	EPA WASTE CODE D001 STATE NONE	
b.					EPA WASTE CODE STATE	
c.					EPA WASTE CODE STATE	
d.					EPA WASTE CODE STATE	
J. Additional Descriptions for Materials Listed Above		K. HANDLING CODE (FACILITY USE ONLY)				
a. F003		a. SDI TSD				
b.		b.				
c.		c.				
d.		d.				
15. Special Handling Instructions and Additional Information If unable to deliver, return to Generator. In case of emergency, call 800-229-5252. 11A-ERG#128						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.						
Printed/Typed Name RONALD BICCAR		Signature [Signature]		Month Day Year 07 05 96		
17. Transporter 1 Acknowledgement of Receipt of Materials		Date				
Printed/Typed Name BILL LURLEY		Signature [Signature]		Month Day Year 07 15 96		
18. Transporter 2 Acknowledgement of Receipt of Materials		Date				
Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name Steven Brown		Signature [Signature]		Month Day Year 07 05 96		

GENERATOR FINAL COPY - PART 2

THIS COPY MUST BE RETAINED BY THE GENERATOR AFTER ITS RETURN FROM THE TSDF.

CORNELL

**Material Safety
Data Sheets**

Division of Facilities Services

**DOD Hazardous Material Information (ANSI Format)
For Cornell University Convenience Only**

METHANOL

<u>Section 1 - Product and Company Identification</u>	<u>Section 9 - Physical & Chemical Properties</u>
<u>Section 2 - Composition/Information on Ingredients</u>	<u>Section 10 - Stability & Reactivity Data</u>
<u>Section 3 - Hazards Identification Including Emergency Overview</u>	<u>Section 11 - Toxicological Information</u>
<u>Section 4 - First Aid Measures</u>	<u>Section 12 - Ecological Information</u>
<u>Section 5 - Fire Fighting Measures</u>	<u>Section 13 - Disposal Considerations</u>
<u>Section 6 - Accidental Release Measures</u>	<u>Section 14 - MSDS Transport Information</u>
<u>Section 7 - Handling and Storage</u>	<u>Section 15 - Regulatory Information</u>
<u>Section 8 - Exposure Controls & Personal Protection</u>	<u>Section 16 - Other Information</u>

The information in this document is compiled from information maintained by the United States Department of Defense (DOD). Anyone using this information is solely responsible for the accuracy and applicability of this information to a particular use or situation.

Cornell University does not in any way warrant or imply the applicability, viability or use of this information to any person or for use in any situation.

Section 1 - Product and Company Identification
METHANOL

Product Identification: METHANOL
Date of MSDS: 01/01/1987 **Technical Review Date:** 05/18/1999
FSC: 6810 **NIIN:** 00-275-6010
Submitter: D DG
Status Code: C
MFN: 01
Article: N
Kit Part: N

Manufacturer's Information

Manufacturer's Name: AIR PRODUCT AND CHEMICALS,INC
Manufacturer's Address1: 7201 HAMILTON BLVD
Manufacturer's Address2: ALLENTOWN, PA 18195-1501
Manufacturer's Country: US
General Information Telephone:
Emergency Telephone: 800-523-9374
Emergency Telephone: 800-523-9374
MSDS Preparer's Name: N/P
Proprietary: N
Reviewed: Y
Published: Y
CAGE: 00742
Special Project Code: N

Item Description

Item Name: METHANOL,TECHNICAL
Item Manager: S9G
Specification Number: O-M-232
Type/Grade/Class: GRADE A
Unit of Issue: CN **Quantitative Expression:** 00000000005GL
Unit of Issue Quantity: 1
Type of Container: CAN

Contractor Information

Contractor's Name: AIR PRODUCTS AND CHEMICALS INC
Contractor's Address1: 7201 HAMILTON BLVD
Contractor's Address2: ALLENTOWN, PA 18195-1501
Contractor's Telephone: 800-345-3148/610-481-4911
Contractor's CAGE: 00742

Section 2 - Compositon/Information on Ingredients
METHANOL

Ingredient Name: METHYL ALCOHOL (METHANOL) (SARA III)

Ingredient CAS Number: 67-56-1 **Ingredient CAS Code:** M

RTECS Number: PC1400000 **RTECS Code:** M

=WT: =WT Code:

=Volume: =Volume Code:

>WT: >WT Code:

>Volume: >Volume Code:

<WT: <WT Code:

<Volume: <Volume Code:

% Low WT: % Low WT Code:

% High WT: % High WT Code:

% Low Volume: % Low Volume Code:

% High Volume: % High Volume Code:

% Text: 99.8

% Enviromental Weight:

Other REC Limits: N/P

OSHA PEL: S,200PPM/250STEL **OSHA PEL Code:** M

OSHA STEL: OSHA STEL Code:

ACGIH TLV: S,200PPM/250STEL; 93 **ACGIH TLV Code:** M

ACGIH STEL: N/P **ACGIH STEL Code:**

EPA Reporting Quantity: 5000 LBS

DOT Reporting Quantity: 5000 LBS

Ozone Depleting Chemical: N

Section 3 - Hazards Identification, Including Emergency Overview

METHANOL

Health Hazards Acute & Chronic: N/P

Signs & Symptoms of Overexposure:

EYES:BURNS VISION FAILURE.SKIN:IRRITANT,DEFATTING AGENT.INHAL:IRRIT
SKIN,MUCOUS,RESP SYS,HEADACHE

Medical Conditions Aggravated by Exposure:

N/P

LD50 LC50 Mixture: N/P

Route of Entry Indicators:

Inhalation: N/P

Skin: N/P

Ingestion: N/P

Carcenogenicity Indicators

NTP: N/P

IARC: N/P

OSHA: N/P

Carcinogenicity Explanation: N/P

Section 4 - First Aid Measures
METHANOL

First Aid:

INHALE:REMOVE TO FRESH AIR, GIVE CPR/O*2 IF NEED;EYES/SKIN:FLUSH W LG AMTS H*2O FOR 15 MIN;INGEST:RINSE MOUTH; GET MEDICAL ATTENTION FOR EYES, BREATHING DIFFICULTY, OR OTHER SYMPTOMS OF OVEREXPOSURE.

Section 5 - Fire Fighting Measures
METHANOL

Fire Fighting Procedures:

USE NIOSH APPROVED SCBA WITH FULL PROTECTION FOR FIREFIGHTING

Unusual Fire or Explosion Hazard:

VAPORS ARE TOXIC,EXPLOSIVELY IGNITED WITHIN EXPLOSIVE LIMITS

Extinguishing Media:

CO*2,DRY CHEMICAL,WATER FOG

Flash Point: Flash Point Text: 53.6/12C (C.C.)

Autoignition Temperature:

Autoignition Temperature Text: 725F

Lower Limit(s): 6.7

Upper Limit(s): 36.0

Section 6 - Accidental Release Measures
METHANOL

Spill Release Procedures:

USE PERSONAL PROTECTIVE EQUIPMENT.ELIMINATE SOURCE OF IGNITION.COVER THE MATERIAL WITH ALCOHOL FOAM.PUMP LIQUID INTO DRUM.FOR INFO,NOTIFY THE AUTHORITIES IF NECESSARY.

Section 7 - Handling and Storage
METHANOL

Handling and Storage Precautions:

Other Precautions:

Section 8 - Exposure Controls & Personal Protection
METHANOL

Respiratory Protection:

USE NIOSH APPROVED RESPIRATOR FOR METHANOL OR SCBA.

Ventilation:

PROVIDE MECHAN(GEN/LOCAL EXHAUST)VENT TO MAINTN <TLV

Protective Gloves:

PV/RUBBER

Eye Protection: GOGGLES/FACE SHIELD

Other Protective Equipment: FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EYE WASH STATION

Work Hygienic Practices: N/P

Supplemental Health & Safety Information: MAY 1,1985 IS DATED ON MSDS.

Section 9 - Physical & Chemical Properties
METHANOL

HCC: F2

NRC/State License Number:

Net Property Weight for Ammo:

Boiling Point: Boiling Point Text: 148.5/64.7C

Melting/Freezing Point: Melting/Freezing Text: N/A

Decomposition Point: Decomposition Text: N/A

Vapor Pressure: 100 Vapor Density: 1.11

Percent Volatile Organic Content:

Specific Gravity: 0.590

Volatile Organic Content Pounds per Gallon:

pH: N/P

Volatile Organic Content Grams per Liter:

Viscosity: N/P

Evaporation Weight and Reference: 12 (BUT ACETAT=1)

Solubility in Water: MISCIBLE

Appearance and Odor: CLEAR,COLORLESS,FLAMMABLE,MOBILE,HIGHLY POLAR LIQ.

Percent Volatiles by Volume: 100

Corrosion Rate: N/P

Section 10 - Stability & Reactivity Data
METHANOL

Stability Indicator: YES

Materials to Avoid:

STRONG OXIDIZING MATERIALS,CHROMIC ANHYDRIDES,PER CHLORIC AC

Stability Condition to Avoid:

SPARKS,FLAMES

Hazardous Decomposition Products:

FORMALDEHYDE,CO,FORMIC ACID

Hazardous Polymerization Indicator: NO

Conditions to Avoid Polymerization:

NONE SPECIFIED

Section 11 - Toxicological Information
METHANOL

Toxicological Information:
N/P

Section 12 - Ecological Information
METHANOL

Ecological Information:
N/P

Section 13 - Disposal Considerations
METHANOL

Waste Disposal Methods:
CONSULT LOCAL AUTHORITIES. INCINERATION OR DISPOSAL MUST BE IN
ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Section 14 - MSDS Transport Information
METHANOL

Transport Information:
N/P

Section 15 - Regulatory Information
METHANOL

SARA Title III Information:
N/P
Federal Regulatory Information:
N/P
State Regulatory Information:
N/P

Section 16 - Other Information
METHANOL

Other Information:
N/P

HMIS Transportation Information

Product Identification: METHANOL
Transportation ID Number: 65164
Responsible Party CAGE: 00742
Date MSDS Prepared: 01/01/1987
Date MSDS Reviewed: 02/29/1996

MFN: 02/29/1996

Submitter: D DG

Status Code: C

Container Information

Unit of Issue: CN

Container Quantity: 1

Type of Container: CAN

Net Unit Weight: 24.6 LBS

Article without MSDS: N

Technical Entry NOS Shipping Number:

Radioactivity:

Form:

Net Explosive Weight:

Coast Guard Ammunition Code:

Magnetism: N/P

AF MMAC Code:

DOD Exemption Number:

Limited Quantity Indicator:

Multiple Kit Number: 0

Kit Indicator: N

Kit Part Indicator: N

Review Indicator: Y

Additional Data:

Department of Transportation Information

DOT Proper Shipping Name: METHANOL

DOT PSN Code: JEZ

Symbols: I

DOT PSN Modifier: METHYL ALCOHOL SEE METHANOL

Hazard Class: 3

UN ID Number: UN1230

DOT Packaging Group: II

Label: FLAMMABLE LIQUID, POISON

Special Provision(s): T8

Packaging Exception:

Non Bulk Packaging: 202

Bulk Packaging: 242

Maximum Quantity in Passenger Area: 1 L

Maximum Quantity in Cargo Area: 60 L

Stow in Vessel Requirements: B

Requirements Water/Sp/Other: 40

IMO Detail Information

IMO Proper Shipping Name: METHANOL

IMO PSN Code: JPB

IMO PSN Modifier:

IMDG Page Number: 3251

UN Number: 1230
UN Hazard Class: 3.2
IMO Packaging Group: II
Subsidiary Risk Label: TOXIC
EMS Number: 3-06
Medical First Aid Guide Number: 306

IATA Detail Information

IATA Proper Shipping Name: METHANOL
IATA PSN Code: QHQ
IATA PSN Modifier:
IATA UN Id Number: 1230
IATA UN Class: 3
Subsidiary Risk Class: 6.1
UN Packaging Group: II
IATA Label: FLAMM. LIQ. & TOXIC
Packaging Note for Passengers: 305
Maximum Quantity for Passengers: 1L
Packaging Note for Cargo: 307
Maximum Quantity for Cargo: 60L
Exceptions: A104, A113

AFI Detail Information

AFI Proper Shipping Name: METHANOL OR METHYL ALCOHOL
AFI Symbols:
AFI PSN Code: QHQ
AFI PSN Modifier:
AFI UN Id Number: UN1230
AFI Hazard Class: 3
AFI Packing Group: II
AFI Label: 6.1
Special Provisions: P4
Back Pack Reference: A7.3

HAZCOM Label Information

Product Identification: METHANOL
CAGE: 00742
Assigned Individual: N
Company Name: AIR PRODUCTS AND CHEMICALS INC
Company PO Box:
Company Street Address1: 7201 HAMILTON BLVD
Company Street Address2: ALLENTOWN, PA 18195-1501 US
Health Emergency Telephone:
Label Required Indicator: Y
Date Label Reviewed: 12/16/1998
Status Code: C
Manufacturer's Label Number:
Date of Label: 12/16/1998
Year Procured: N/K

Organization Code: F
Chronic Hazard Indicator: N/P
Eye Protection Indicator: N/P
Skin Protection Indicator: N/P
Respiratory Protection Indicator: N/P
Signal Word: N/P
Health Hazard:
Contact Hazard:
Fire Hazard:
Reactivity Hazard:

8/7/2002 10:05:59 PM

EASTMAN CHEMICAL PRODUCTS, INC. -- ETHYL ACETATE, SPC 23701

=====
MSDS Safety Information
=====

FSC: 6810
NIIN: 00-245-6695
MSDS Date: 10/03/1996
MSDS Num: CBQGX
Product ID: ETHYL ACETATE, SPC 23701
MFN: 02
Responsible Party
Cage: 78364
Name: EASTMAN CHEMICAL PRODUCTS, INC.
Address: WILCOX DR AND LINCOLN ST
Box: 431
City: KINGSPORT TN 37662
Info Phone Number: 800-EASTMAN/423-229-2000 (USA)
Emergency Phone Number: 800-EASTMAN/800-424-9300 (CHEMTREC)
Preparer's Name: UNKNOWN
Review Ind: Y
Published: Y
=====

Contractor Summary
=====

Cage: 64184
Name: AMJAY CORP. DBA AMJAY CHEMICALS
Address: 11200 WESTHEIMER SUITE 310
Box: 218786
City: HOUSTON TX 77218-8786
Phone: 713-492-2000
Cage: 78364
Name: CANCELLED WITHOUT REPLACEMENT (WAS SNYDER, GEO H INC)
Box: 431
City: N/K NK 00000
Phone: NONE
Cage: OVL27
Name: DYNATECH SCIENTIFIC INC
Address: 1401 27TH ST
Box: 640164
City: KENNER LA 70064
Phone: 504-465-9604
Cage: 0LNB7
Name: MAGNOLIA CHEMICALS AND SOLVENTS
Address: 1020 SAMS AVENUE
Box: 10276
City: NEW ORLEANS LA 70181-0278
Phone: 504-733-6600
=====

Item Description Information
=====

Item Manager: S9G
Item Name: ETHYL ACETATE, TECHNICAL
Specification Number: TT-E-751C
Type/Grade/Class: NONE
Unit of Issue: DR
Quantitative Expression: 00000000055GL
UI Container Qty: 1

Type of Container: DRUM

=====

Ingredients

=====

Cas: 141-78-6
RTECS #: AH5425000
Name: ETHYL ACETATE (CERCLA)
% Wt: 100
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 400 PPM
ACGIH TLV: 400 PPM; 9596
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

=====

Health Hazards Data

=====

LD50 LC50 Mixture: LD50 (ORAL, RAT) IS 5600 MG/KG.
Route Of Entry Inds - Inhalation: YES
Skin: NO
Ingestion: NO
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: TARGET ORGANS:EYE, SKIN, RESPIRATORY TRACT. ACUTE-EYE:MAY
CAUSE IRRITATION. SKIN:MAY CAUSE DRYING, CRACKING AND IRRITATION.
INHALATION:HIGH VAPOR CONCENTRATIONS MAY CAUSE IRRITATION AND DROWSINESS. O
RAL:EXPECTED TO BE A LOW INGESTION HAZARD. CHRONIC- UNKNOWN.
Explanation Of Carcinogenicity: NONE
Signs And Symptoms Of Overexposure: IRRITATION, DROWSINESS, NAUSEA,
VOMITING,
HEADACHE, DRY SKIN
Medical Cond Aggravated By Exposure: INDIVIDUALS WITH PRE-EXISTING DISEASES
OF
THE EYE, SKIN, RESPIRATORY TRACT MAY HAVE INCREASED SUSCEPTIBILITY TO THE
TOXICITY OF EXCESSIVE EXPOSURES.
First Aid: GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES:FLUSH WITH WATER
FOR
15 MINUTES. HOLD EYELIDS OPEN. IF EASY TO DO, REMOVE CONTACT LENSES.
SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. INH
ALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NECESSARY. ORAL:SEEK
MEDICAL
ADVICE.

=====

Handling and Disposal

=====

Spill Release Procedures: WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF
IGNITION. VENTILATE AREA. CONTAIN SPILL. PICK UP SPILL WITH NON-FLAMMABLE
ABSORBENT SUCH AS SAND, EARTH/USE PUMP (EXPLOSION PROOF). USE WATER TO
DILUTE
SPILL. PREVENT LIQUID FROM ENTERING SEWERS.
Neutralizing Agent: NOT RELEVANT
Waste Disposal Methods: DISCHARGE, TREATMENT OR DISPOSAL IS SUBJECT TO
FEDERAL,
STATE OR LOCAL REGULATIONS. INCINERATION OR FUEL USE IS RECOMMENDED. SINCE
EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN
AFTER

CONTAINER IS EMPTIED.

Handling And Storage Precautions: STORE IN COOL, VENTILATED AREA AWAY FROM SOURCES OF IGNITION & INCOMPATIBLES. BOND & GROUND ALL CONTAINERS.

Other Precautions: EMPTY CONTAINERS RETAIN RESIDUE. DO NOT CUT, DRILL OR WELD ON OR NEAR THIS CONTAINER. DO NOT GET IN EYES. DO NOT BREATHE VAPOR OR MIST.

AVOID PROLONGED OR REPEATED SKIN CONTACT. WASH THOROUGHLY AFTER HANDLING.
KEEP OUT OF REACH OF CHILDREN.

=====

Fire and Explosion Hazard Information

=====

Flash Point Method: TCC

Flash Point Text: 24.0F, -4.4C

Autoignition Temp Text: 905F

Lower Limits: 2.02%

Upper Limits: 10.7%

Extinguishing Media: USE FOAM, DRY CHEMICAL OR CARBON DIOXIDE. WATER MAY BE INEFFECTIVE BUT SHOULD BE USED TO COOL FIRE-EXPOSED CONTAINERS.

Fire Fighting Procedures: WEAR FULL PROTECTIVE CLOTHING AND NIOSH- APPROVED SELF-CONTAINED BREATHING APPARATUS. EXTINGUISH ONLY IF FLOW CAN BE STOPPED. MOVE CONTAINERS OUT IF POSSIBLE.

Unusual Fire/Explosion Hazard: VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINERS MAY

RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

=====

Control Measures

=====

Respiratory Protection: IF WORKING IN CONFINED AREAS OR IF EXPOSURE MAY OR DOES

EXCEED RECOMMENDED PERMISSIBLE EXPOSURE LIMITS (PEL), WEAR NIOSH- APPROVED RESPIRATORY PROTECTION FOR ORGANIC VAPORS. FOR EMERGENCY AND FIRE, WE AR SELF-CONTAINED BREATHING APPARATUS.

Ventilation: MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves: BUTYL OR PVA

Eye Protection: CHEMICAL SAFETY GOGGLES

Other Protective Equipment: EYE WASH STATION, SAFETY SHOWER, INDUSTRIAL- TYPE WORK CLOTHING, APRON

Work Hygienic Practices: OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health: FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE

PNI A, SAME NSN.

=====

Physical/Chemical Properties

=====

HCC: F2

NRC/State LIC No: NOT RELEVANT

Boiling Point: =78.C, 172.4F

Vapor Pres: 75 @ 68F

Vapor Density: 3.0

Spec Gravity: 0.902

Viscosity: UNKNOWN

Evaporation Rate & Reference: 4.1 (N-BUTYL ACETATE=1)

Solubility in Water: MODERATE

Appearance and Odor: COLORLESS, VOLATILE LIQUID WITH A SWEET, ESTER ODOR

Percent Volatiles by Volume: 100

Corrosion Rate: UNKNOWN

=====
Reactivity Data
=====

Stability Indicator: YES

Stability Condition To Avoid: HEAT, DIRECT SUNLIGHT, SPARKS, STATIC
ELECTRICITY, FLAMES AND OTHER SOURCES OF IGNITION

Materials To Avoid: STRONG OXIDIZING AGENTS, STRONG ACIDS, STRONG BASES

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NOT RELEVANT
=====

Toxicological Information
=====

Ecological Information
=====

MSDS Transport Information
=====

Regulatory Information
=====

Other Information
=====

Transportation Information
=====

Responsible Party Cage: 78364

Trans ID NO: 60401

Product ID: ETHYL ACETATE, SPC 23701

MSDS Prepared Date: 10/03/1996

Review Date: 05/28/1997

MFN: 2

Radioactivity: NOT RELEVANT

Net Unit Weight: 405.7 LBS

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: DR

Container QTY: 1

Type Of Container: DRUM

Additional Data: DOT HAZARD CLASS, PACKAGING GROUP PER MSDS. REPORTABLE
QUANTITY (RQ): 5000 POUNDS.
=====

Detail DOT Information
=====

DOT PSN Code: FTU

DOT Proper Shipping Name: ETHYL ACETATE

Hazard Class: 3

UN ID Num: UN1173

DOT Packaging Group: II

Label: FLAMMABLE LIQUID

Special Provision: T2

Packaging Exception: 150

Non Bulk Pack: 202

Bulk Pack: 242
Max Qty Pass: 5 L
Max Qty Cargo: 60 L
Vessel Stow Req: B

=====

Detail IMO Information

=====

IMO PSN Code: GPD
IMO Proper Shipping Name: ETHYL ACETATE
IMDG Page Number: 3220
UN Number: 1173
UN Hazard Class: 3.2
IMO Packaging Group: II
Subsidiary Risk Label: -
EMS Number: 3-07
MED First Aid Guide NUM: 330

=====

Detail IATA Information

=====

IATA PSN Code: KZO
IATA UN ID Num: 1173
IATA Proper Shipping Name: ETHYL ACETATE
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
UN Packing Group: II
Packing Note Passenger: 305
Max Quant Pass: 5L
Max Quant Cargo: 60L
Packaging Note Cargo: 307

=====

Detail AFI Information

=====

AFI PSN Code: KZO
AFI Proper Shipping Name: ETHYL ACETATE
AFI Hazard Class: 3
AFI UN ID NUM: UN1173
AFI Packing Group: II
Special Provisions: P5
Back Pack Reference: A7.3

=====

HAZCOM Label

=====

Product ID: ETHYL ACETATE, SPC 23701
Cage: 78364
Company Name: CANCELLED WITHOUT REPLACEMENT (WAS SNYDER, GEO H INC)
PO Box: 431
City: N/K NK
Zipcode: 00000
Health Emergency Phone: 800-EASTMAN/800-424-9300 (CHEMTREC)
Label Required IND: Y
Date Of Label Review: 05/28/1997
Status Code: C
MFG Label NO: UNKNOWN
Label Date: 05/28/1997
Year Procured: 1997
Origination Code: G
Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: DANGER

Health Hazard: Moderate

Contact Hazard: Slight

Fire Hazard: Severe

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS:EYE, SKIN, RESPIRATORY TRACT. ACUTE-EYE:MAY CAUSE IRRITATION. SKIN:MAY CAUSE DRYING. INHALATION:MAY CAUSE IRRITATION & DROWSINESS. ORAL:EXPECTED TO BE A LOW INGESTION HAZARD. CHRONIC- UNKNOWN. STORE IN COOL, VENTILATED AREA AWAY FROM SOURCES OF IGNITION & INCOMPATIBLES. PICK UP SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND, EARTH/USE PUMP (EXPLOSION PROOF). PREVENT LIQUID FROM ENTERING SEWERS. FIRST AID- GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES:FLUSH WITH

WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NECESSARY. ORAL:SEEK MEDICAL ADVICE.

=====

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever expressly or implied warrants, states, or intends said information to have any application, use or

viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United

States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the

United States of America should seek competent professional advice to verify

and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.

The Cornell University logo, featuring the word "CORNELL" in a serif font.

**Material Safety
Data Sheets**

Division of Facilities Services

**DOD Hazardous Material Information (ANSI Format)
For Cornell University Convenience Only**

CYCLOHEXANE, ANALYZED REAGENT

<u>Section 1 - Product and Company Identification</u>	<u>Section 9 - Physical & Chemical Properties</u>
<u>Section 2 - Composition/Information on Ingredients</u>	<u>Section 10 - Stability & Reactivity Data</u>
<u>Section 3 - Hazards Identification Including Emergency Overview</u>	<u>Section 11 - Toxicological Information</u>
<u>Section 4 - First Aid Measures</u>	<u>Section 12 - Ecological Information</u>
<u>Section 5 - Fire Fighting Measures</u>	<u>Section 13 - Disposal Considerations</u>
<u>Section 6 - Accidental Release Measures</u>	<u>Section 14 - MSDS Transport Information</u>
<u>Section 7 - Handling and Storage</u>	<u>Section 15 - Regulatory Information</u>
<u>Section 8 - Exposure Controls & Personal Protection</u>	<u>Section 16 - Other Information</u>

The information in this document is compiled from information maintained by the United States Department of Defense (DOD). Anyone using this information is solely responsible for the accuracy and applicability of this information to a particular use or situation. Cornell University does not in any way warrant or imply the applicability, viability or use of this information to any person or for use in any situation.

**Section 1 - Product and Company Identification
CYCLOHEXANE, ANALYZED REAGENT**

Product Identification: CYCLOHEXANE,ANALYZED REAGENT
Date of MSDS: 01/01/1985 **Technical Review Date:** 02/27/1984
FSC: 6810 **NIIN:** 00-982-3740
Submitter: N EN
Status Code: C
MFN: 01
Article: N
Kit Part: N

Manufacturer's Information

Manufacturer's Name: J.T. BAKER CHEMICAL CO
Manufacturer's Address1: 222 RED SCHOOL LANE
Manufacturer's Address2: PHILLIPSBURG, NJ 08865-2219
Manufacturer's Country: US
General Information Telephone: 201-859-2151
Emergency Telephone: 201-859-2151
Emergency Telephone: 201-859-2151
MSDS Preparer's Name: N/P
Proprietary: N
Reviewed: Y
Published: Y
CAGE: 5B970
Special Project Code: N

Item Description

Item Name: CYCLOHEXANE,ANALYZED REAGENT
Item Manager:
Specification Number: NK
Type/Grade/Class: NK
Unit of Issue:
Unit of Issue Quantity:
Type of Container:

Contractor Information

Contractor's Name: J.T. BAKER CHEMICAL COMPANY SUB OF RICHARDSON-VICKS
INC
Contractor's Address1: 995 ZEPHYR AVE
Contractor's Address2: HAYWARD, CA 94544-7917
Contractor's Telephone: UNK
Contractor's CAGE: 5B970

Contractor Information

Inhalation: N/P

Skin: N/P

Ingestion: N/P

Carcinogenicity Indicators

NTP: N/P

IARC: N/P

OSHA: N/P

Carcinogenicity Explanation: N/P

Section 4 - First Aid Measures
CYCLOHEXANE, ANALYZED REAGENT

First Aid:

EYE: FLUSH WITH WATER 15 MIN. SKIN: FLUSH WITH WATER. INHALATION:
REMOVE FROM EXPOSURE, GIVE ARTIF RESP IF NEEDED.

Section 5 - Fire Fighting Measures
CYCLOHEXANE, ANALYZED REAGENT

Fire Fighting Procedures:

N/P

Unusual Fire or Explosion Hazard:

FLAMMABLE LIQUID

Extinguishing Media:

FOAM, DRY CHEMICAL, CARBON DIOXIDE

Flash Point: Flash Point Text: -4F/-20C (CC)

Autoignition Temperature:

Autoignition Temperature Text: N/A

Lower Limit(s): 1.3

Upper Limit(s): 8.4

Section 6 - Accidental Release Measures
CYCLOHEXANE, ANALYZED REAGENT

Spill Release Procedures:

ELIMINATE ALL SOURCES OF IGNITION. ABSORB SPILL ON SAND, EARTH OR
VERMICULITE. CAREFULLY SWEEP UP AND REMOVE. ALTERNATIVELY USE J.T.
BAKER'S FLAMMABLE SOLVENT SPILL CLEAN-UP KIT.

Section 7 - Handling and Storage
CYCLOHEXANE, ANALYZED REAGENT

Handling and Storage Precautions:

Other Precautions:

Contractor's Name: MALLINCKRODT BAKER, INC. (FORMERLY J.T. BAKER INC)
Contractor's Address1: 222 RED SCHOOL LANE
Contractor's Address2: PHILLIPSBURG, NJ 08865-2219
Contractor's Telephone: 800-582-2537
Contractor's CAGE: 70829

Section 2 - Composition/Information on Ingredients
CYCLOHEXANE, ANALYZED REAGENT

Ingredient Name: CYCLOHEXANE (SARA III)
Ingredient CAS Number: 110-82-7 **Ingredient CAS Code:** M
RTECS Number: GU6300000 **RTECS Code:** M
=WT: =WT Code:
=Volume: =Volume Code:
>WT: >WT Code:
>Volume: >Volume Code:
<WT: <WT Code:
<Volume: <Volume Code:
% Low WT: % Low WT Code:
% High WT: % High WT Code:
% Low Volume: % Low Volume Code:
% High Volume: % High Volume Code:
% Text: N/P
% Environmental Weight:
Other REC Limits: N/P
OSHA PEL: 300 PPM **OSHA PEL Code:** M
OSHA STEL: **OSHA STEL Code:**
ACGIH TLV: 300 PPM, 9192 **ACGIH TLV Code:** M
ACGIH STEL: N/P **ACGIH STEL Code:**
EPA Reporting Quantity: 1000 LBS
DOT Reporting Quantity: 1000 LBS
Ozone Depleting Chemical: N

Section 3 - Hazards Identification, Including Emergency Overview
CYCLOHEXANE, ANALYZED REAGENT

Health Hazards Acute & Chronic: N/P

Signs & Symptoms of Overexposure:
EYE/SKIN: IRRITATION. VAPORS: MAY ACT AS A NARCOTIC

Medical Conditions Aggravated by Exposure:
N/P

LD50 LC50 Mixture: N/P
Route of Entry Indicators:

Section 8 - Exposure Controls & Personal Protection
CYCLOHEXANE,ANALYZED REAGENT

Respiratory Protection:

NIOSH/MSHA APPROVED RESP DEVICE IN ACCORD WITH EXPOSURE OF CONCERN

Ventilation:

LOCAL

Protective Gloves:

RUBBER

Eye Protection: SAFETY GLASSES

Other Protective Equipment: APPROVED WORKING CLOTHES,EYEBATH,SAFETY SHOWER.

Work Hygenic Practices: N/P

Supplemental Health & Safety Information: CONTAINER SIZE: 500 ML BOTTLE

Section 9 - Physical & Chemical Properties
CYCLOHEXANE,ANALYZED REAGENT

HCC: F2

NRC/State License Number: N/A

Net Property Weight for Ammo: N/A

Boiling Point: Boiling Point Text: 80.7C/176F

Melting/Freezing Point: Melting/Freezing Text: N/A

Decomposition Point: Decomposition Text: N/A

Vapor Pressure: N/P **Vapor Density:** 2.9

Percent Volatile Organic Content:

Specific Gravity: 0.78

Volatile Organic Content Pounds per Gallon:

pH: N/P

Volatile Organic Content Grams per Liter:

Viscosity: N/P

Evaporation Weight and Reference: N/P

Solubility in Water: NEGLIGIBLE

Appearance and Odor: COLORLESS LIQUID;SOLVENT ODOR

Percent Volatiles by Volume: N/P

Corrosion Rate: N/P

Section 10 - Stability & Reactivity Data
CYCLOHEXANE,ANALYZED REAGENT

Stability Indicator: YES

Materials to Avoid:

NITROGEN DIOXIDE

Stability Condition to Avoid:

N/P

Hazardous Decomposition Products:

N/P

Hazardous Polymerization Indicator: NO

Conditions to Avoid Polymerization:

N/P

Section 11 - Toxicological Information
CYCLOHEXANE,ANALYZED REAGENT

Toxicological Information:

N/P

Section 12 - Ecological Information
CYCLOHEXANE,ANALYZED REAGENT

Ecological Information:

N/P

Section 13 - Disposal Considerations
CYCLOHEXANE,ANALYZED REAGENT

Waste Disposal Methods:

INCINERATE IN A FURNACE PROVIDING ENVIRONMENTAL REGULATIONS PERMIT.

Section 14 - MSDS Transport Information
CYCLOHEXANE,ANALYZED REAGENT

Transport Information:

N/P

Section 15 - Regulatory Information
CYCLOHEXANE,ANALYZED REAGENT

SARA Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Section 16 - Other Information
CYCLOHEXANE,ANALYZED REAGENT

Other Information:

N/P

HMIS Transportation Information

Product Identification: CYCLOHEXANE,ANALYZED REAGENT

Transportation ID Number: 96266

Responsible Party CAGE: 5B970

Date MSDS Prepared: 01/01/1985

Date MSDS Reviewed: 09/05/1986

MFN: 09/05/1986

Submitter: N TN

Status Code: C

Container Information

Unit of Issue:

Container Quantity:

Type of Container:

Net Unit Weight:

Article without MSDS: N

Technical Entry NOS Shipping Number:

Radioactivity:

Form:

Net Explosive Weight:

Coast Guard Ammunition Code:

Magnetism: N/P

AF MMAC Code:

DOD Exemption Number:

Limited Quantity Indicator:

Multiple Kit Number: 0

Kit Indicator: N

Kit Part Indicator: N

Review Indicator: Y

Additional Data:

Department of Transportation Information

DOT Proper Shipping Name: CYCLOHEXANE

DOT PSN Code: ECV

Symbols:

DOT PSN Modifier:

Hazard Class: 3

UN ID Number: UN1145

DOT Packaging Group: II

Label: FLAMMABLE LIQUID

Special Provision(s): B101,T8

Packaging Exception: 150

Non Bulk Packaging: 202

Bulk Packaging: 242

Maximum Quantity in Passenger Area: 5 L

Maximum Quantity in Cargo Area: 60 L

Stow in Vessel Requirements: E

Requirements Water/Sp/Other:

IMO Detail Information

IMO Proper Shipping Name: CYCLOHEXANE

IMO PSN Code: EXT

IMO PSN Modifier:

IMDG Page Number: 3114

UN Number: 1145

UN Hazard Class: 3.1

IMO Packaging Group: II

Subsidiary Risk Label: -

EMS Number: 3-07

Medical First Aid Guide Number: 310

IATA Detail Information

IATA Proper Shipping Name: CYCLOHEXANE

IATA PSN Code: HWK

IATA PSN Modifier:

IATA UN Id Number: 1145

IATA UN Class: 3

Subsidiary Risk Class:

UN Packaging Group: II

IATA Label: FLAMMABLE LIQUID

Packaging Note for Passengers: 305

Maximum Quantity for Passengers: 5L

Packaging Note for Cargo: 307

Maximum Quantity for Cargo: 60L

Exceptions:

AFI Detail Information

AFI Proper Shipping Name: CYCLOHEXANE

AFI Symbols:

AFI PSN Code: HWK

AFI PSN Modifier:

AFI UN Id Number: UN1145

AFI Hazard Class: 3

AFI Packing Group: II

AFI Label:

Special Provisions: P5

Back Pack Reference: A7.3

HAZCOM Label Information

Product Identification: CYCLOHEXANE, ANALYZED REAGENT

CAGE: 5B970

Assigned Individual: N

Company Name: J.T. BAKER CHEMICAL COMPANY SUB OF RICHARDSON-VICKS
INC

Company PO Box:

Company Street Address1: 995 ZEPHYR AVE

Company Street Address2: HAYWARD, CA 94544-7917 US

Health Emergency Telephone: 201-859-2151

Label Required Indicator: Y
Date Label Reviewed: 12/16/1998
Status Code: C
Manufacturer's Label Number:
Date of Label: 12/16/1998
Year Procured: N/K
Organization Code: F
Chronic Hazard Indicator: N/P
Eye Protection Indicator: N/P
Skin Protection Indicator: N/P
Respiratory Protection Indicator: N/P
Signal Word: N/P
Health Hazard:
Contact Hazard:
Fire Hazard:
Reactivity Hazard:

8/8/2002 1:30:49 AM

Microsoft Access - [Switchboard : Form]

File Edit View Insert Format Records Tools Window Help

Tahoma

Type a question for help

NEAT STDs	STOCK STDs	WORKING STDs	ARCHIVE	STD REPORTS	
BROWSE NEAT STANDARDS INVENTORY	BROWSE S- INVENTORY	BROWSE W- INVENTORY	BROWSE ARCHIVE	PREVIEW PB LC/MS STOCK REPORT	EXIT ACCESS
OPEN NEW NEAT ENTRY	OPEN S- ENTRY	OPEN NEW W- ENTRY	OPEN ARCHIVE DISCARD	PREVIEW LC/MS PB NEATS REPORT	CLOSE SWITCHBOARD
OPEN NEAT USE FORM	OPEN S- DISCARD	OPEN W- DISCARD		PREVIEW GC/MS PB STOCK REPORT	ADD NEW METHOD NAME
OPEN NEAT DISCARD	OPEN S- COMPARISON FORM	OPEN W- COMPARISON FORM		PREVIEW PB GC NEATS REPORT	ADD COMPOUNDS TO METHOD
NEAT COMMENTS	S- COMMENTS	W- COMMENTS		PREVIEW ISTD REPORT	
EXPIRED NEATS REPORT	EXPIRED STOCK REPORT	EXPIRED W STANDARDS REPORT		PREVIEW PROCESS CONTROL REPORT	
REVIEW RETAINED EXPIRED NEATS					
LONG TERM STD CHECK OUT					

Record: 1 of 1

Form View

NUM

start | Incho - Micr... | TraceLab IS... | Temp respo... | Microsoft... | 10:18 AM

Access Database Data Fields

Neat Inventory

- Key Code
- Internal ID
- CAS Number
- Pesticide Name
- Expiration Date
- Supplier
- Stock #
- Lot #
- Purity
- Quantity
- Date Received
- P-Listed
- Received By
- Disposal Date
- Retained

Expired Neat Standard Report

- Internal ID
- Pesticide Name
- Expiration Date
- Expired
- P-Listed

Standards Inventory Table

- Key
- "S" Number
- Pesticide Name
- Parent
- Solvent
- Concentration
- Expiration Date
- "S" Standard Compared
- P-Listed
- "W" Standard Compared
- Pass
- Comparison Date
- Disposal Date
- Comments